



April 8, 2022

Roger Pine  
Warburton Avenue Apartments, LLC  
1000 University Ave, Suite 500  
Rochester, NY 14607

**RE:** *Phase II Environmental Site Assessment  
Warburton Dry Cleaner Site  
City of Yonkers, Westchester County, NY  
LaBella Project No. 2221378*

Dear Mr. Brass:

LaBella Associates, D.P.C. (LaBella) has completed a Phase II Environmental Site Assessment (ESA) at the above-referenced properties, hereinafter referred to as the Site, for Conifer Realty (Client). Site location and Tax Parcel maps are attached, respectively, as **Figure 1** and **Figure 2**. This Phase II ESA investigation was conducted to assess potential subsurface impacts to the Site from past uses of the properties. The investigation included sampling to address the following **Recognized Environmental Conditions (RECs)** identified by LaBella's February 2022 Phase I ESA in connection with the subject property:

**REC-1:** The mixed-use structure on Lot 24 was occupied by a dry-cleaners in 1976 and 1977, and the building on Lot 38 is shown on an undated photograph as a self-service laundry. No information was provided on prior activities conducted on the Subject Property during these tenants' occupancy, limited current and prior owner interviews could be conducted, and no access was provided to the interior of the Lot 24 building, which are data gaps. The prior use of the Subject Property as a dry cleaner is considered a REC.

**REC-2:** An approximately four-foot by thirty-foot area of asphalt was observed on Lot 27. This material appears to be debris, and the surrounding area is a soil surface. Asphalt is a petroleum product, and this material on Lot 27 is considered a REC.

**REC-3:** The Lot 24 northern adjacent property was identified as a dry-cleaner on records from 1971 through 2004, and the Lot 24 eastern adjacent property was identified as a dry-cleaner in 1971. Additionally, the eastern adjoining property was previously occupied by a pest control company and the area of the Subject Property is identified as urban land. Based on the prior uses of the area as dry cleaners, the urban nature of the area, and the lack of information regarding the subsurface, these adjoining properties are considered a REC for the Subject Property.

Based on findings and results from LaBella's Phase I ESA, the following **significant data gaps (SDGs)** were identified in connection with the subject property:

**SDG-1:** Provided records indicate the mixed-use structure on Lot 24 and the Lot 32 residence were both previously heated with fuel oil. A basement fuel oil AST was removed from Lot 32 circa 2017, but not other information regarding heating oil storage at these structures was provided. Additionally, ten prior buildings that were likely heated (based on their prior residential or commercial use) were on the Subject Property. The former heating systems for prior buildings included coal, natural gas, and oil, but no information was provided regarding coal storage areas, coal ash disposal, or the location of the associated oil tanks. At least two fires were reported for prior buildings (1972 and 1980), and these structures were demolished between 1968 and 1983.



No former owner interviews could be conducted. The lack of information regarding the storage of oil on the property (both current and former structures) and the condition of the Subject Property in relation to the prior oil storage and coal use is considered an SDG. LaBella notes that no information was provided as to if the former oil tanks were underground and/or removed from the property.

- **SDG-2:** A detached garage was constructed on Lot 24 circa the early 1900s. No information was provided regarding prior uses of this garage (e.g., residential, or commercial use), and an owner interview could not be conducted. The lack of information regarding activities associated with this structure is considered an SDG.
- **SDG-3:** Spill No. 1607103 was reported in 2016 for the grocery store at 323 Warburton Avenue (Block 2117, Lot 28), when a 550-gallon fuel oil UST was removed, and soil contamination was observed. Conflicting information was provided as to if post removal soil sampling occurred, and the spill remains open. The lack of information regarding the condition of the subsurface in the area of the Subject Property is considered an SDG.

Based on the results of the February 2022 Phase I ESA, no Controlled Recognized Environmental Conditions (CRECs), Historical Recognized Condition (HRECs), or de minimis conditions have been identified in connection with the Subject Property.

This Phase II ESA included performance of a non-intrusive geophysical survey including a subsurface utility engineering (SUE) and ground penetrating radar (GPR) survey to remotely scan for evidence of subsurface anomalies suggesting the presence of potential underground storage tanks (USTs), backfilled excavations, and subsurface utilities to clear soil boring locations. The geophysical survey focused primarily on the potential areas of concern in connection with Lots 24, 27, 28, and 32, and to clear soil boring locations and scan for USTs in targeted areas of the Site, including vacant parcels located on Warburton and Woodworth Avenues. The geophysical survey was conducted using electromagnetic (EM) equipment and GPR equipment that are capable of detecting and delineating metallic objects in the subsurface.

Additionally, a focused subsurface investigation was completed to assess soil conditions across each tax parcel of the Site, near identified anomalies and in REC areas, and to evaluate the potential presence of contaminated historic fill material. A total of thirty-four (34) soil samples collected from twenty-two (22) soil borings, and six (6) soil vapor samples collected from temporary soil gas probes were submitted for laboratory analysis to evaluate soil and soil vapor quality. A groundwater investigation, which may require the installation of bedrock wells, has not yet been performed because of equipment limitations. Should this work be performed in the near future, this report should be updated accordingly.

LaBella's methods, observations, results, conclusions, and recommendations are presented below.

## GEOPHYSICAL SURVEY

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On March 4 and March 7, 2022, LaBella personnel performed the SUE and GPR survey near areas of former Site structures on Lots 16, 17, 22, 26, 27, 28, 34, 35, 36, 37, and 38, around current structures on Lots 24 and 32, and vacant Lot 18 to remotely scan for subsurface anomalies, including potential USTs, buried utilities, evidence of disturbed soil, buried debris, and to clear soil boring locations.

The GPR survey indicated a metallic subsurface anomaly outside the footprint of former Site structures in the western portion of Lot 27. The anomaly was approximately 6-ft by 6-ft in size and approximately 2.5-ft. bgs. A metallic subsurface anomaly was also located along the eastern boundaries of Lot 36. This anomaly was approximately 11-ft by 10-ft in size and approximately 2.5-ft. bgs. Two underground lines with no identified use, four (4) underground gas lines, and one (1) underground water line was



identified extending onto the Site from Warburton Avenue. Two (2) underground gas lines and one (1) underground water line were identified extending onto the Site from Woodworth Avenue. One (1) underground gas line was identified extending onto the Site from Point Street. Additional investigation of these anomalies has not yet been performed. Should this work be performed in the near future, this report should be updated accordingly.

The results of the geophysical survey are presented in **Appendix A**.

## SOIL INVESTIGATION

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Eighteen (18) soil borings were advanced at the Site between March 7 and March 8, 2022, by LaBella's subcontractor Core Down Drilling (CDD) of Brewster, NY, designate SB-01 through SB-18. An additional four (4) soil borings (SB-19 through SB-22) were advanced at the Site on March 28, 2022. A LaBella environmental professional directed the investigation, documented subsurface conditions, and prepared samples for laboratory analysis. Locations for the twenty-two (22) soil borings were selected based on the findings of the Phase I ESA, the results of the SUE / GPR study, and review of soil results from the March 7 and 8, 2022 mobilization.

Locations for soil borings (SB-01 through SB-18) were selected based on the findings of the Phase I ESA and the results of the SUE / GPR study. Soil boring locations are shown on **Figure 3** and described below:

- Soil borings (SB-01, SB-02, SB-03, SB-07, SB-14, and SB-15) were advanced to evaluate subsurface conditions in the northeastern portion of the Site and assess SDGs and RECs associated with historic uses of Lot 24, the northern adjacent property to Lot 24, and the Lot 24 eastern adjacent property, and to evaluate the potential presence of contaminated historic fill material.
- Soil Borings SB-04, SB-05, and SB-06 were advanced to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, on Lot 18, Lot 17, and Lot 16, respectively.
- SB-08 was advanced to evaluate subsurface conditions within the footprint of a former residential building in the eastern portion of Lot 27, assess a REC associated with an area of asphalt located on Lot 27, and evaluate the potential presence of contaminated historic fill material.
- Soil borings SB-09, SB-10, and SB-11 were advanced to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, on Lot 34, Lot 35, and Lot 36 respectively.
- Soil boring SB-12 and SB-13 were advanced in Lots 37 and 38 respectively to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, assess for evidence of a release in the vicinity of potential UST located during the geophysical survey along the eastern boundary of Lot 37,, and assess a REC associated with historical use of Lot 38.
- Soil borings SB-16 and SB-17 were advanced to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, on Lot 28.
- Soil boring SB-18 was advanced to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, in the western downgradient portion of Lot 32.

Locations for soil boring SB-19 through SB-22 were selected based on the findings and results of the initial Phase II ESA mobilization completed between March 7 and 8, 2022. Soil boring locations are shown on **Figure 3** and described below:



- Soil boring SB-19 was advanced to evaluate subsurface conditions, including the potential presence of contaminated historic fill material, in the eastern portion of Lot 22, southern adjacent to SB-01 where elevated concentrations of constituents of concern (COCs), including lead, were previously observed.
- Soil boring SB-20 was advanced to evaluate subsurface conditions in the south-central portion of Lot 24, northern adjacent to SB-07 and SB-15 (Lot 26) where elevated concentrations of COCs, including lead, were previously observed.
- Soil boring SB-21 was advanced along the east-central boundary of Lot 28 to further evaluate subsurface conditions, including the potential presence of contaminated historic fill material.
- Soil boring SB-22 was advanced in the southeastern portion of Lot 32 to further evaluate subsurface conditions, including the potential presence of contaminated historic fill material.

Soil borings were advanced with either a Geoprobe® Manual Slide Hammer, a track-mounted Geoprobe® Systems Model 54LT, or a Geoprobe® Systems Model 7822 DT direct-push sampling system. The use of direct-push technology allowed for rapid sampling, observation, and characterization of soils. The slide-hammer utilized a 2-foot MacroCore® sampler, and the track-mounted Geoprobe® utilized a 5-foot MacroCore® sampler. Each sampling systems used disposable polyethylene sleeves. Soil cores were cut from the polyethylene sleeves for observation and sampling. Borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo-ionization detector (PID). Positive indications from these screening methods are collectively referred to as “evidence of impacts”. Soil sampling equipment was decontaminated between boring locations using Alconox® detergent and potable water solution. Descriptive boring logs, which provide a record of the subsurface conditions encountered in each boring, are presented in **Appendix B**

Evidence of historic fill material was observed in the upper 4-feet of soil boring locations SB-01, SB-03, SB-05, SB-07, SB-08 through SB-17, and SB-19 through SB-22. Observed fill materials included construction and demolition (C&D) debris, brick, concrete, ash, wood, plastics, metal, and textiles consistent with the past mixed usage of the area. Soil borings SB-04 (Lot 18), SB-13 (Lot 38), and SB-15 (Lot 26) exhibited PID readings greater than 0.0 parts per million (ppm), ranging from 0.1 ppm to 8.4 ppm (SB-13 at 3-ft. bgs.). No odors or staining were observed at any soil boring location. Groundwater was not encountered at any soil boring location.

Soil samples were collected from each soil boring’s corresponding sample depth(s) listed in the table below. All soil samples were submitted for the Full List NYSDEC Part 375 protocol included analyses of the following: volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; semi-volatile organic compounds (SVOCs) by USEPA Method 8270D; pesticides by USEPA Method 8081B; polychlorinated biphenyls (PCBs) by USEPA Method 8082A; herbicides by USEPA Method 8151A; metals by USEPA Methods 6010 D, 7473 (mercury), 7196A (hexavalent chromium), 9014/90110C (cyanide, total); and total solids via SM 2540G. Soil samples were placed in a cooler on ice and sent under standard chain of custody to York Analytical Laboratory in Stratford, CT for laboratory analysis. Laboratory analytical results were compared to NYSDEC New York Codes, Rules and Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs), Residential Use SCOs (RUSCOs), Restricted Residential Use SCOs (RUSCOs), and Commercial Use SCOs (CUSCOs).

The table below summarizes soil sample locations and investigation objectives.

Table A: Soil Boring and Sample Location Summary



Soil Boring ID	Exploration Location	Sample Depth(s) (ft. bgs)	REC/SDG Investigated
SB-01	Lot 22	0 to 2	REC 1; REC 3; SDG-1; SDG-2; SDG-3
SB-02	Lot 24	0 to 2	
SB-03	Lot 21	0 to 2	
SB-04	Lot 18	0 to 2; 2 to 4	SDG-1
SB-05	Lot 17	0 to 2	
SB-06	Lot 16	0 to 2	
SB-07	Lot 26	2 to 4	REC 1; REC 3; SDG-1; SDG-2; SDG-3
SB-08	Lot 27	0 to 2; 2 to 4	REC-2
SB-09	Lot 34	0 to 2; 2 to 4	SDG-1
SB-10	Lot 35	0 to 2	
SB-11	Lot 36	0 to 2	
SB-12	Lot 37	0 to 2	REC-1; SDG-1
SB-13	Lot 38	0 to 2; 2 to 4	
SB-14	Lot 22	0 to 2	REC 1; REC 3; SDG-1; SDG-2; SDG-3
SB-15	Lot 26	0 to 2; 2 to 4	
SB-16	Lot 28	0 to 2	SDG-1
SB-17	Lot 28	2 to 4	
SB-18	Lot 32	0 to 2	
SB-19	Lot 21	0 to 2; 2 to 4	REC 1; REC 3; SDG-1; SDG-2; SDG-3
SB-20	Lot 24	0 to 2; 2 to 4	
SB-21	Lot 28	0 to 2; 2 to 4	SDG-1
SB-22	Lot 32	0 to 2; 2 to 4	

## SOIL VAPOR INVESTIGATION

On March 14 five (5) soil vapor samples (SG-01 through SG-05) were collected by LaBella to evaluate subsurface vapors with respect to the potential for a completed vapor intrusion pathway to exist under future development of the Site. Soil vapor samples were collected from approximately 5-feet below ground surface (ft. bgs.) in Lots 24, 26, 32, 34, and 38. On March 28, 2022, LaBella collected an additional soil vapor sample in Lot 22 to address data gaps and further evaluate soil vapors downgradient of Lot 24. Samples were collected using 6 liter SUMMA® canisters with flow regulators pre-set to provide uniform sample collection over a 2-hour period. Soil vapor samples were analyzed according to EPA Air Method – TO-15 with Category B deliverables. Air sampling locations are presented on **Figure 4**.

Air sampling was performed consistent with the applicable procedures described in ASTM International (ASTM) E2600-15 “Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions” and the October 2006 New York State Department of Health “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York” (NYSDOH Vapor Intrusion Guidance Document) protocols. Soil vapor sampling involved the installation of temporary soil vapor probes to



approximately 5-ft. bgs. Prior to soil vapor sampling, approximately two to three probe volumes were purged at a flow rate less than 0.2 liters per minute.

VOC concentrations were recorded during purging utilizing a PID. A tracer gas (Helium, He) was used to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal at the ground surface. A portable helium monitoring device was used to analyze a sample of soil vapor for the helium tracer prior to sampling. At the conclusion of the sampling event, tracer monitoring was performed a second time to confirm the integrity of the probe seals. A soil vapor sampling field form is included in **Appendix C**. The soil vapor probes were left in place.

## QUALITY ASSURANCE/ QUALITY CONTROL (QA/QC)

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QA/QC samples for soil borings included one (1) field duplicate, one (1) matrix spike / matrix spike duplicate (MS/MSD) and one (1) equipment blank.

QA/QC samples for air included one (1) field duplicate and one (1) ambient air sample.

## LABORATORY ANALYTICAL RESULTS

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Laboratory analytical data were reviewed and compared to applicable NYSDEC standards, criteria, and guidance values (SCGs). Soil sample results were compared to 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs). Results of soil vapor samples were compared with the applicable Matrices (A, B, and C) of the May 2017 Update to the October 2006 NYSDOH Vapor Intrusion Guidance Document as well as NYSDOH air guideline values (AGV). Data summary tables are attached (**Tables 1 and 2**) and the analytical laboratory reports are attached.

Analytical results for the soil and soil vapor samples are summarized below.

### **Soil Sample Analytical Results**

As the Site data are being evaluated for potential NYSDEC BCP eligibility, soil data were compared to NYSDEC Part 375 Soil Cleanup Objectives (SCOs). The analytical results for soil samples are summarized in **Table 1** and exceedances of SCOs are presented in **Figure 3**. Full laboratory reports are included in **Appendix D**.

### Commercial Use SCO Exceedances

Soil samples from Lot 18 (SB-04), Lot 17 (SB-05), Lot 16 (SB-06), Lot 27 (SB-08), Lot 34 (SB-09), Lot 35 (SB-10), and Lot 36 (SB-11) contained COCs that exceeded the commercial use soil cleanup objective (CUSCO) as follows:

- SB-04 at 0 to 2-ft.bgs contained Benzo(a)pyrene (2.82 mg/kg vs 1 mg/kg CUSCO), Dibenzo(a,h)anthracene (0.904 mg/kg vs 0.56 mg/kg CUSCO), and Barium (712 mg/kg vs 400 mg/kg CUSCO). SB-04 at 2 to 4-ft.bgs contained Barium (674 mg/kg vs 400 mg/kg CUSCO).
- SB-05 at 0 to 2-ft.bgs contained Barium (591 mg/kg vs 400 mg/kg CUSCO) and lead (1,910 mg/kg vs 1,000 mg/kg CUSCO).
- SB-06 at 0 to 2-ft.bgs contained Benzo(a)pyrene (1.13 mg/kg vs 1 mg/kg CUSCO), Barium (480 mg/kg vs 400 mg/kg CUSCO), and Lead (1,520 mg/kg vs 1,000 mg/kg CUSCO).
- SB-08 at 0 to 2-ft.bgs contained Barium (423 mg/kg vs 400 mg/kg CUSCO).
- SB-09 at 0 to 2 ft. bgs contained Arsenic (144 mg/kg vs 16 mg/kg CUSCO). SB-09 at 2 to 4-ft. bgs contained Barium (431 mg/kg vs 400 mg/kg CUSCO) and lead (1,760 mg/kg vs 1,000 mg/kg CUSCO).



- SB-10 at 0 to 2-ft. bgs. contained Benzo(a)pyrene (5.71 mg/kg vs 1 mg/kg CUSCO), Dibenzo(a,h)anthracene (1.77 mg/kg vs 0.56 mg/kg CUSCO), and Indeno(1,2,3-cd)pyrene (5.6 mg/kg vs 5.6 mg/kg CUSCO).
- SB-11 at 0 to 2-ft. bgs contained Lead (1,520 mg/kg vs 1,000 mg/kg CUSCO). The field duplicate associated with SB-11 contained Benzo(a)pyrene (1.01 mg/kg vs 1 mg/kg CUSCO), Barium (719 mg/kg vs 400 mg/kg CUSCO), and Lead (2,000 mg/kg vs 1,000 mg/kg CUSCO).

#### Restricted Residential Use SCO Exceedances

In addition to the CUSCOs exceedances listed above, soil samples from Lot 22 (SB-01), Lot 18 (SB-04), Lot 16 (SB-06), Lot 26 (SB-07 and SB-15), Lot 27 (SB-08), Lot 34 (SB-09), Lot 35 (SB-10), Lot 36 (SB-11), Lot 37 (SB-12), and Lot 38 (SB-13) contained COCs that exceeded the restricted-residential use SCO (RRUSCO) but were below the CUSCOs as follows:

- SB-01 at 0 to 2-ft. bgs contained Lead (633 mg/kg vs 400 mg/kg RRUSCO).
- SB-04 at 0 to 2-ft. bgs contained Benzo(a)anthracene (3.52 mg/kg vs 1 mg/kg RRUSCO), Benzo(b)fluoranthene (3.56 mg/kg vs 1 mg/kg RRUSCO), Chrysene (5.18 mg/kg vs 3.9 mg/kg RRUSCO), Indeno(1,2,3-cd)pyrene (2.51 mg/kg vs 0.5 mg/kg RRUSCO), and Lead (946 mg/kg vs 400 mg/kg RRUSCO).
- SB-06 0 to 2-ft. bgs contained Benzo(a)anthracene (1.23 mg/kg vs 1 mg/kg RRUSCO), Benzo(b)fluoranthene (1.35 mg/kg vs 1 mg/kg RRUSCO), Dibenzo(a,h)anthracene (0.36 mg/kg vs 0.33 mg/kg RRUSCO), and Indeno(1,2,3-cd)pyrene (1.04 mg/kg vs 0.5 mg/kg RRUSCO).
- SB-07 at 2 to 4-ft. bgs contained Lead (448 mg/kg vs 400 mg/kg RRUSCO).
- SB-15 at 0 to 2-ft. bgs contained Lead (707 mg/kg vs 400 mg/kg RRUSCO). SB-15 at 2 to 4-ft. bgs contained Lead (469 mg/kg vs 400 mg/kg RRUSCO).
- SB-08 at 0 to 2-ft. bgs contained Lead (461 mg/kg vs 400 mg/kg RRUSCO).
- SB-09 at 0 to 2-ft. bgs contained Lead (819 mg/kg vs 400 mg/kg RRUSCO) and Mercury (2.53 mg/kg vs 0.81 mg/kg RRUSCO).
- SB-10 at 0 to 2-ft. bgs contained Benzo(a)anthracene (4.38 mg/kg vs 1 mg/kg RRUSCO), Benzo(b)fluoranthene (5.5 mg/kg vs 1 mg/kg RRUSCO), Chrysene (4.89 mg/kg vs 3.9 mg/kg RRUSCO) Lead (453 mg/kg vs 400 mg/kg RRUSCO) and Mercury (1.11 mg/kg vs 0.81 mg/kg RRUSCO).
- SB-11 at 0 to 2-ft. bgs contained Indeno(1,2,3-cd)pyrene (1.11 mg/kg vs 0.5 mg/kg RRUSCO). The field duplicate associated with SB-11 contained Dibenzo(a,h)anthracene (0.452 mg/kg vs 0.33 mg/kg RRUSCO) and Indeno(1,2,3-cd)pyrene (1.01 mg/kg vs 0.5 mg/kg RRUSCO)
- SB-12 at 0 to 2-ft. bgs contained Lead (537 mg/kg vs 400 mg/kg RRUSCO).
- SB-13 at 2 to 4-ft. bgs contained Lead (499 mg/kg vs 400 mg/kg RRUSCO) and Mercury (0.936 mg/kg vs 0.81 mg/kg RRUSCO).

#### Residential Use SCO Exceedances

In addition to the RRUSCOs exceedances listed above, soil samples from Lot 18 (SB-04), Lot 16 (SB-06), Lot 34 (SB-09), Lot 36 (SB-11), and Lot 37 (SB-12) contained COC that exceeded the residential use SCO (RUSCO) as follows:

- SB-04 at 0 to 2-ft. bgs contained Benzo(k)fluoranthene (3.66 mg/kg vs 1 mg/kg RUSCO). SB-



- 04 at 2 to 4-ft. bgs contained Dieldrin (0.056 mg/kg vs 0.039 mg/kg RUSCO).
- SB-06 at 0 to 2-ft. bgs contained Benzo(k)fluoranthene (1.3 mg/kg vs 1 mg/kg RUSCO) and Chrysene (1.64 mg/kg vs 1 mg/kg RUSCO)
  - SB-09 at 0 to 2-ft. bgs contained Cadmium (2.85 mg/kg vs 2.5 RUSCO) and Selenium (55.6 mg/kg vs 36 mg/kg RUSCO).
  - SB-11 at 0 to 2-ft. bgs contained Trivalent Chromium (37.5 mg/kg vs 36 mg/kg RUSCO).
  - SB-12 at 0 to 2-ft. bgs contained Trivalent Chromium (41 mg/kg vs 36 mg/kg RUSCO).

#### Unrestricted Use SCO Exceedances

Various exceedances of UUSCOs for VOCs (Methylene Chloride), PCBs (4,4'-DDD; 4,4'-DDE; 4,4'-DDT; alpha-Chlordane; Dieldrin), Metals (Trivalent Chromium, Copper, Lead, Manganese, Zinc), and Total PCBs were observed at soil boring locations throughout the Site but below their respective RUSCOs.

#### **Soil Vapor Analytical Results**

New York State does not have standards, criteria, or guidance (SCGs) for soil vapor. However, results of soil vapor samples were compared to NYSDOH air guideline values (AGV) AND USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.

The analytical results for soil vapor samples are summarized in **Table 2** and exceedances of AGVs are presented in **Figure 4**. Full laboratory reports are included in **Appendix D**.

- SG-01: Soil vapor sampling results at Lot 24 indicate the presence of methylene chloride and p-Ethyltoluene at concentrations that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.
- SG-02: Soil vapor sampling results at Lot 26 indicate the presence of p-Ethyltoluene at a concentration that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.
- SG-03: Soil vapor sampling results at Lot 34 indicate the presence of Tetrachloroethylene (PCE) in soil vapor (39 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )) exceeding the applicable NYSDOH AGV of  $30 \mu\text{g}/\text{m}^3$  and the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile. In addition, soil vapor sampling results indicate the presence of 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Ethylbenzene, o-Xylene, and p-Ethyltoluene at concentrations that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.
- SG-04: Soil vapor sampling results at Lot 38 indicate the presence of 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Ethylbenzene, n-Heptane, n-Hexane, o-Xylene, p-Ethyltoluene, and toluene at concentrations that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.
- SG-05: Soil vapor sampling results at Lot 32 indicate the presence of 1,2,4-Trimethylbenzene, Ethylbenzene, o-Xylene, and p-Ethyltoluene at concentrations that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.
- SG-06: Soil vapor sampling results at Lot 22 indicate the presence of Ethylbenzene, methylene chloride, and o-Xylene, at concentrations that exceed the USEPA Building Assessment and Survey Evaluation (BASE) Database - 90th Percentile.

## **CONCLUSIONS**

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Labella conducted a Phase II ESA to assess to assess potential subsurface impacts to the Site from





past uses of the properties. These investigation activities included a geophysical survey, soil borings, installation of temporary soil vapor probes, and the collection of soil and soil vapor samples for laboratory analysis.

The geophysical survey indicated a metallic anomaly within Lots 27 and 36. The metallic anomaly in Lot 27 is west of the former residential structure footprint. The metallic anomaly in Lot 36 is along the eastern boundary of the parcel, extending towards Woodworth Avenue and partially under the adjoining sidewalk. Soil borings adjacent to these metallic anomalies confirmed the presence of C&D debris but no evidence of a leaking UST; however, conditions beneath the anomalies / potential USTs were not evaluated and there may be the potential for an undetected release to have occurred. Exceedances of NYSDEC SCOs were observed at soil borings near the two metallic anomalies including pesticides and metals at SB-08 and SB-11, and SVOCs (Indeno(1,2,3-cd)pyrene) at SB-11.

Field observations from soil borings and laboratory analytical results for soil samples indicate the presence of contaminated historic fill material containing construction and demolition (C&D) debris, brick, concrete, wire, ash, wood, plastics, glass, and asphalt throughout Lots 21, 22, 24, 26, 27, 28, 32, 34, 35, 36, 37, and 38 to depths ranging from ground surface to approximately 4-ft. bgs.

Soil samples from Lot 22 (SB-01), Lot 24 (SB-20), Lot 26 (SB-07 and SB-15), Lot 27 (SB-08), Lot 32 (SB-22), Lot 18 (SB-04), Lot 16 (SB-06), Lot 34 (SB-09), Lot 35 (SB-10), Lot 37 (SB-12), and Lot 38 (SB-13) contained COCs exceeding NYSDEC RRUSCOs. Soil samples from Lot 27 (SB-08), Lot 18 (SB-04), Lot 17 (SB-05), Lot 16 (SB-06), Lot 34 (SB-09), Lot 35 (SB-10), and Lot 36 (SB-11) contained COCs exceeding NYSDEC CUSCOs.

The presence of metals in shallow sub-surface soils throughout the Site at concentrations that exceed CUSCOs appear to present a direct contact risk under existing conditions. The concentrations of lead observed in sub-surface soils throughout the Site indicate the potential for this material to be considered hazardous.

Soil vapor sampling results indicate the presence of petroleum hydrocarbon-related constituents throughout the Site as well as PCE at Lot 34 at concentrations that indicate that additional action may be warranted for the protection of human health.

## RECOMMENDATIONS

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The contaminated historic fill and C&D material at the Site will require removal, including waste characterization sampling, and special handling, transportation, and disposal, should the properties be redeveloped.

Additional action may be required, as part of the redevelopment of the property, to address the potential of soil vapor intrusion due to the presence of petroleum and chlorinated aliphatic hydrocarbon-related constituents in soil vapor at the Site.

A groundwater investigation, which may require the installation of bedrock wells, should be performed to evaluate the potential for multiple dry cleaners on, and surrounding the Site, to have released COCs to the subsurface.

Additional investigation of metallic anomalies observed at Lots 27 and 36 should be performed prior to, or during, excavation for redevelopment.

## LIMITATIONS

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The information presented herein summarizes the activities in the project areas of concern. The data and conclusions represent those portions of the Site analyzed as of the date of the fieldwork, and they are not relevant to any other portions of this Site or any other property. LaBella also cannot be held



accountable for activities or events that may have affected the distribution of detected compounds after the date of the fieldwork.

The scope of work for this project is based on generally accepted practices and established protocols and prior discussion with the project team. The findings and conclusions are, therefore, properly considered probabilities based on professional judgment and available site data, but do not constitute absolute certainty that all possible compounds have now been identified on this Site.

Please feel free to contact me at 917-280-6364 or rkampf@labellapc.com if you have any questions.

Sincerely,

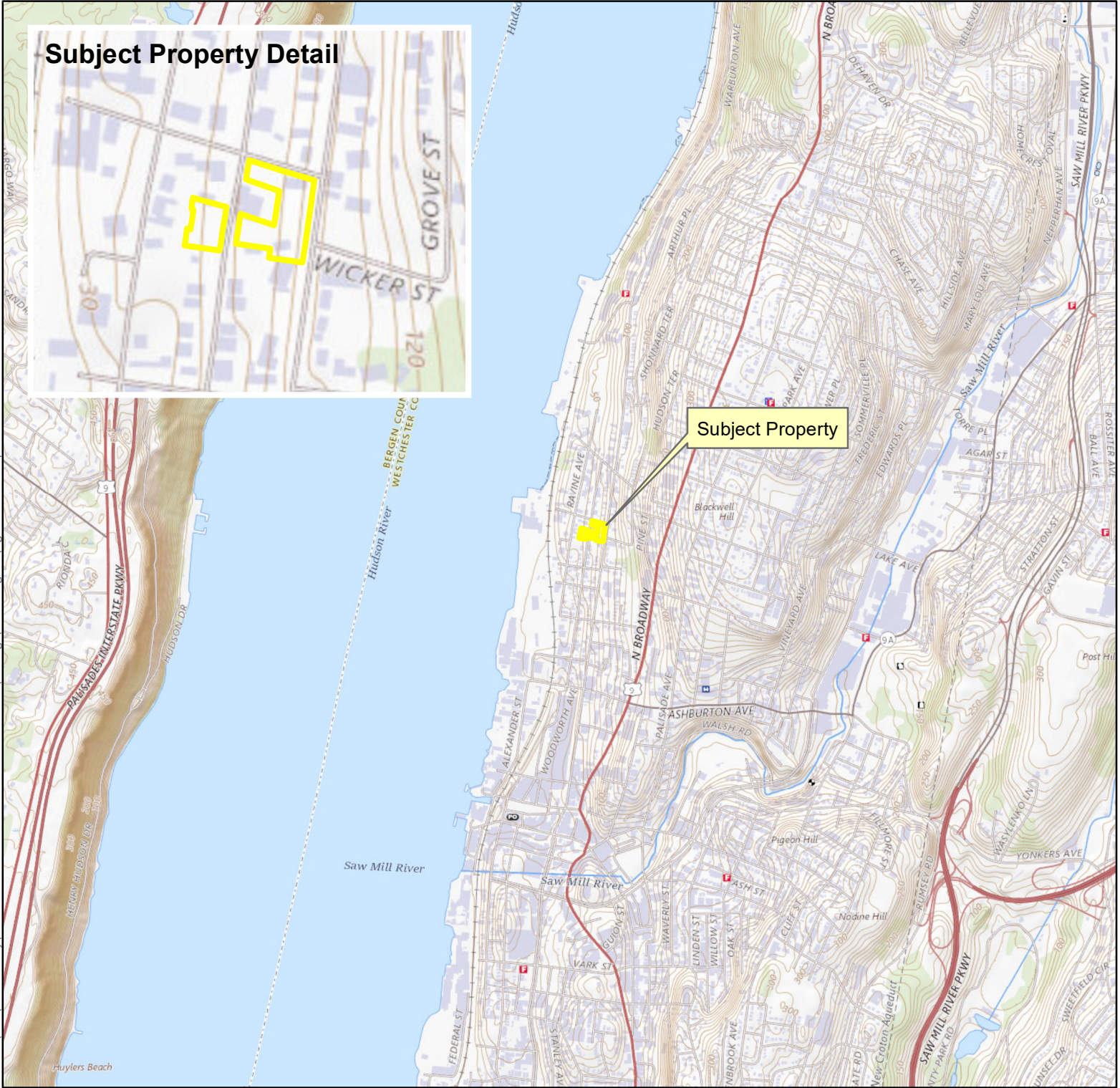
Richard T. Kampf, PG, LEP  
NYC Regional Manager

Attachments:

- Figure 1 - Site Location Map
- Figure 2 - Tax Parcel Map
- Figure 3 - Soil Boring Locations and Exceedances
- Figure 4 - Soil Vapor Sampling Locations and Results
- Table 1 - Soil Sample Analytical Results Summary
- Table 2 - Soil Vapor Sample Analytical Results Summary
- Appendix A - Geophysical Survey Report
- Appendix B - Soil Boring Field Logs
- Appendix C - Soil Vapor Sampling Field Form
- Appendix D - Laboratory Analytical Reports



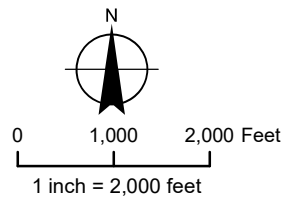
# FIGURES



# Warburton Avenue Apartments, LLC

Warburton Dry Cleaners Site  
City of Yonkers,  
Westchester County, NY

Phase I ESA



**Legend**

Subject Property

Sources:  
Westchester County 2015 Tax Parcel Dataset; US Topo. 2018 - USGSTopo (MapServer) Layer: USGS TNM Topo Base Map. Accessed 19 January 2022

Location Map

# FIGURE 1

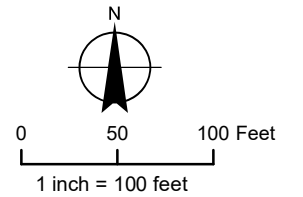
LaBella Project No: 2221378  
Date: March 2022



# Warburton Avenue Apartments, LLC

Warburton Dry Cleaners Site  
City of Yonkers,  
Westchester County, NY

Phase I ESA



**Legend**

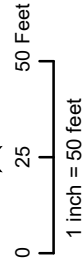
Subject Property

Sources:  
Westchester County 2015 Tax Parcel Dataset; NYS  
Department of Transportation 2008 Roads Dataset

Tax Map

## FIGURE 2

LaBella Project No: 2221378  
Date: March 2022

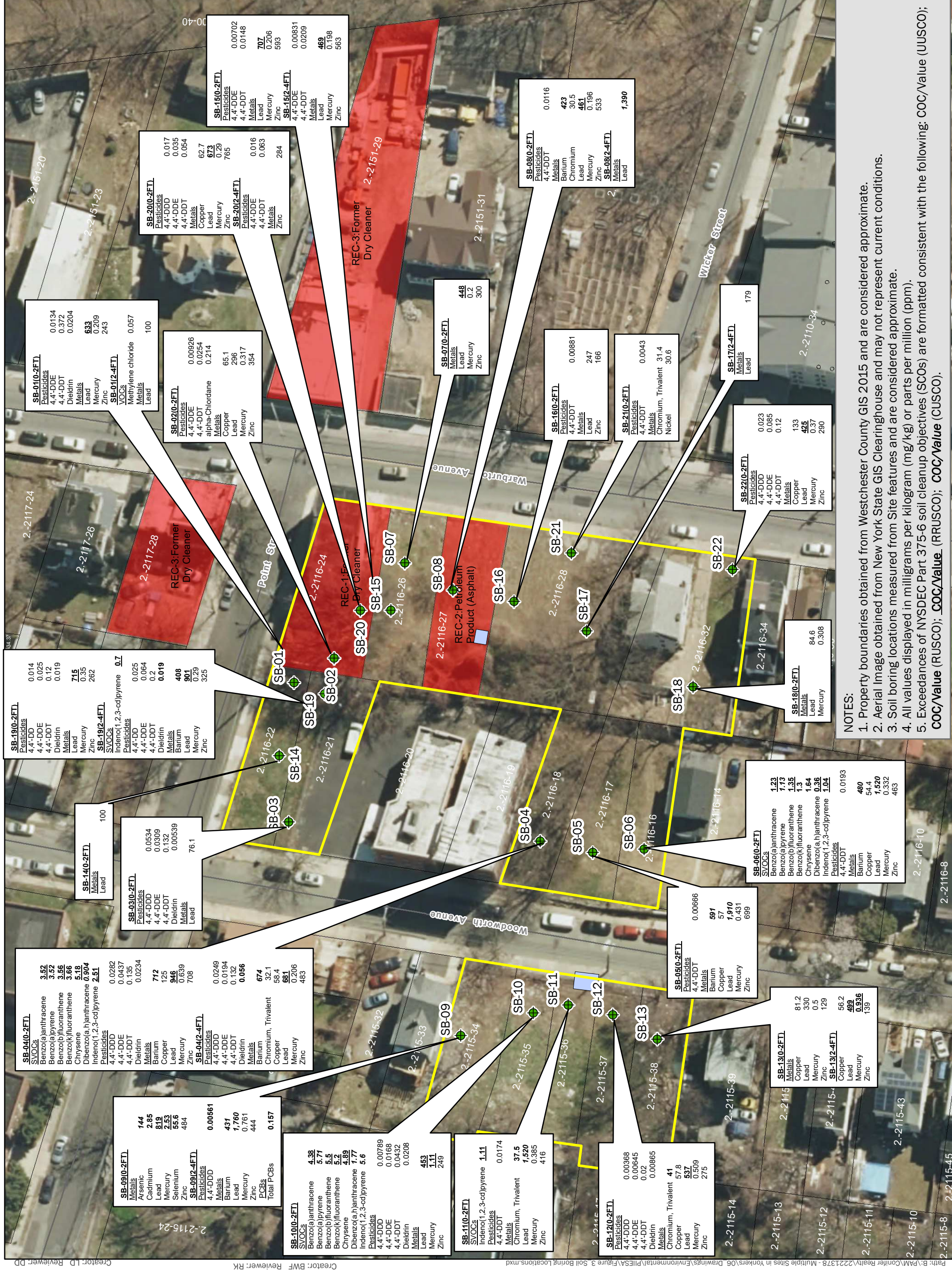


**Legend**

- Soil Boring Locations
- Approximate Metallic Anomaly Location
- REC Location
- Approximate Subject Property Boundaries
- Approximate Parcel Boundaries

## SOIL BORING LOCATIONS and EXCEEDANCES

### FIGURE 3



- NOTES:**
1. Property boundaries obtained from Westchester County GIS 2015 and are considered approximate.
  2. Aerial Image obtained from New York State GIS Clearinghouse and may not represent current conditions.
  3. Soil boring locations measured from Site features and are considered approximate.
  4. All values displayed in milligrams per kilogram (mg/kg) or parts per million (ppm).
  5. Exceedances of NYSDEC Part 375-6 soil cleanup objectives (SCOs) are formatted consistent with the following: **COC/Value (UUSCO); COC/Value (RUSCO); COC/Value (RRUSCO); COC/Value (CUSCO).**

Compound	NYSDOH Air Guideline Values	NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile
1,1,1-Trichloroethane	~	20.6
1,1-Dichloroethylene	~	<0.7
1,2,4-Trimethylbenzene	~	9.5
1,3,5-Trimethylbenze	~	3.7
Benzene	~	9.4
Carbon tetrachloride	~	<1.3
cis-1,2-Dichloroethylene	~	<1.9
Ethyl Benzene	~	5.7
Heptane	~	~
Methylene chloride	60	10
o-Xylene	~	7.9
p- & m- Xylenes	~	~
Tetrachloroethylene	30	15.9
Toluene	~	43
Trichloroethylene	2	4.2
Vinyl Chloride	~	<1.9

Sample ID:	SG-06
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	11.6
1,3,5-Trimethylbenze	2.64
Benzene	2
Carbon tetrachloride	0.25
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	9.11
Heptane	2.56
Methylene chloride	ND
o-Xylene	13.1
p- & m- Xylenes	35.6
Tetrachloroethylene	9.35
Toluene	25.7
Trichloroethylene	ND
Vinyl Chloride	ND

Sample ID:	SG-01
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	3.5
1,3,5-Trimethylbenze	0.87
Benzene	1.7
Carbon tetrachloride	ND
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	4.2
Heptane	ND
Methylene chloride	15
o-Xylene	3.7
p- & m- Xylenes	16
Tetrachloroethylene	9.1
Toluene	15
Trichloroethylene	ND
Vinyl Chloride	ND

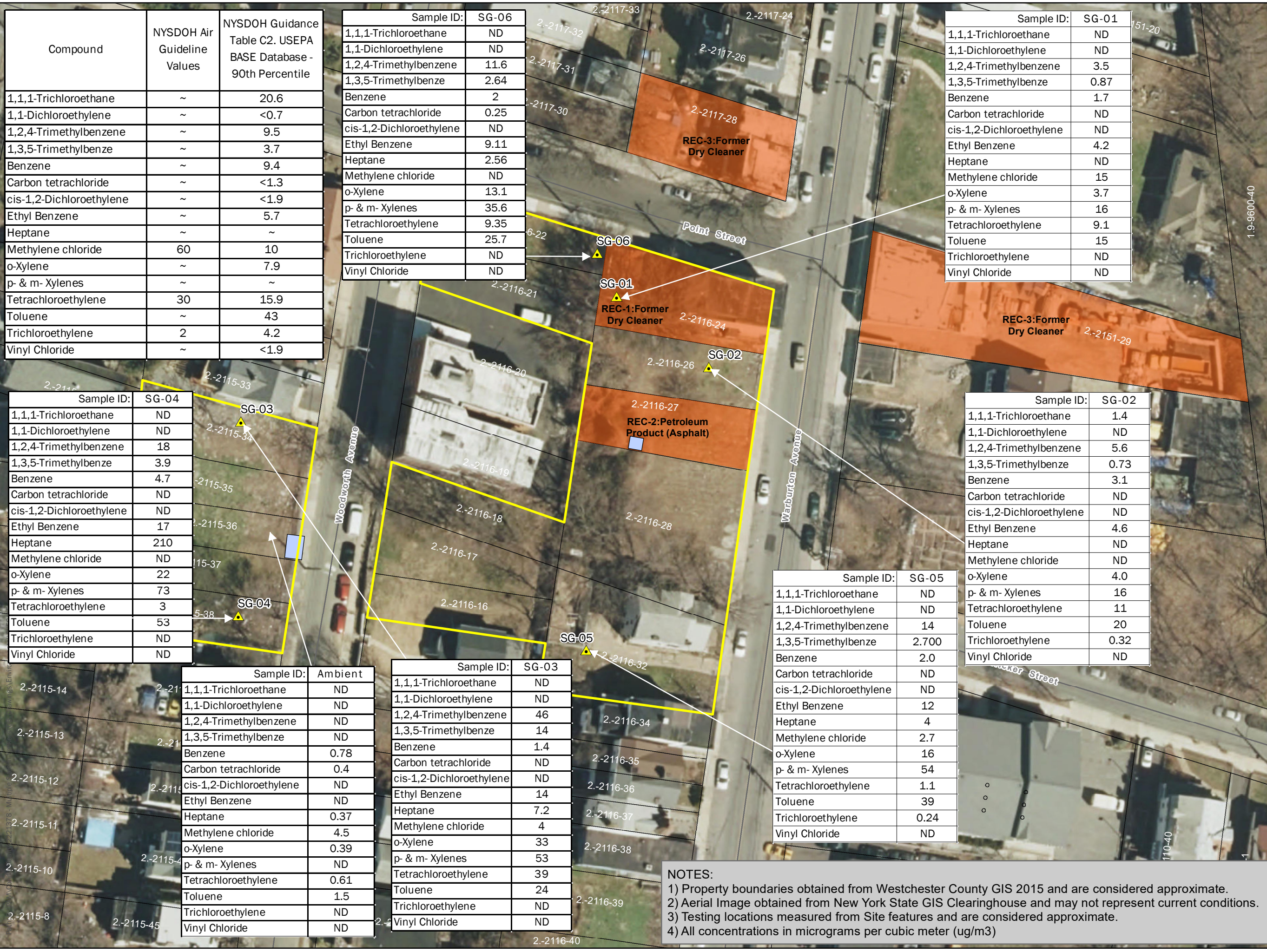
Sample ID:	SG-04
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	18
1,3,5-Trimethylbenze	3.9
Benzene	4.7
Carbon tetrachloride	ND
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	17
Heptane	210
Methylene chloride	ND
o-Xylene	22
p- & m- Xylenes	73
Tetrachloroethylene	3
Toluene	53
Trichloroethylene	ND
Vinyl Chloride	ND

Sample ID:	Ambient
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenze	ND
Benzene	0.78
Carbon tetrachloride	0.4
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	ND
Heptane	0.37
Methylene chloride	4.5
o-Xylene	0.39
p- & m- Xylenes	ND
Tetrachloroethylene	0.61
Toluene	1.5
Trichloroethylene	ND
Vinyl Chloride	ND

Sample ID:	SG-03
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	46
1,3,5-Trimethylbenze	14
Benzene	1.4
Carbon tetrachloride	ND
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	14
Heptane	7.2
Methylene chloride	4
o-Xylene	33
p- & m- Xylenes	53
Tetrachloroethylene	39
Toluene	24
Trichloroethylene	ND
Vinyl Chloride	ND

Sample ID:	SG-05
1,1,1-Trichloroethane	ND
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	14
1,3,5-Trimethylbenze	2.700
Benzene	2.0
Carbon tetrachloride	ND
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	12
Heptane	4
Methylene chloride	2.7
o-Xylene	16
p- & m- Xylenes	54
Tetrachloroethylene	1.1
Toluene	39
Trichloroethylene	0.24
Vinyl Chloride	ND

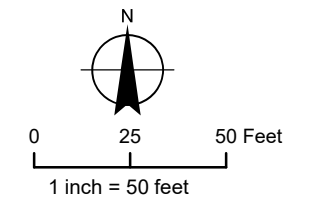
Sample ID:	SG-02
1,1,1-Trichloroethane	1.4
1,1-Dichloroethylene	ND
1,2,4-Trimethylbenzene	5.6
1,3,5-Trimethylbenze	0.73
Benzene	3.1
Carbon tetrachloride	ND
cis-1,2-Dichloroethylene	ND
Ethyl Benzene	4.6
Heptane	ND
Methylene chloride	ND
o-Xylene	4.0
p- & m- Xylenes	16
Tetrachloroethylene	11
Toluene	20
Trichloroethylene	0.32
Vinyl Chloride	ND



**Warburton Avenue Apartments, LLC.**

Warburton Dry Cleaners Site  
City of Yonkers,  
Westchester County, NY

**Phase II ESA**



- Legend**
- ▲ Soil Gas Sample Locations
  - Approximate Metallic Anomaly Location
  - REC Location
  - Subject Property

**SOIL VAPOR SAMPLING LOCATIONS and RESULTS**

**FIGURE 4**

LaBella Project No: 2221378  
Date: March 2022

**NOTES:**  
 1) Property boundaries obtained from Westchester County GIS 2015 and are considered approximate.  
 2) Aerial Image obtained from New York State GIS Clearinghouse and may not represent current conditions.  
 3) Testing locations measured from Site features and are considered approximate.  
 4) All concentrations in micrograms per cubic meter (ug/m3)



# TABLES

















**Table 2**  
**Phase II Environmental Assessment**  
**Warburton Avenue Apartments, LLC - Multiple Sites - Yonkers, New York**  
**Soil Vapor Laboratory Analytical Results Summary**  
**LaBella Project # 2221378**

Sample Location	NYSDOH Sub-Slab Vapor Concentration Decision Matrix (minimum action level) <sup>(1)</sup>	NYSDOH Indoor Air Concentration (minimum action level) <sup>(1)</sup>	NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile <sup>(2)</sup>	NYSDOH Air Guideline Values	Lot # 24	Lot # 26	Lot # 34	Lot # 38	Lot # 32	Lot # 22	Lot #36	
Sample ID					SG-01	SG-02	SG-03	SG-04	SG-05	SG-06	Ambient	Field Dup
Sample Type					Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Outdoor Ambient	Outdoor Ambient
Sampling Date					3/14/2022	3/14/2022	3/14/2022	3/14/2022	3/14/2022	3/28/2022	3/14/2022	3/14/2022
1,1,1,2-Tetrachloroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100***	3***	20.6	~	ND	1.4 D	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	~	~	ND	ND	ND	ND	ND	ND	0.69 D	0.7 D
1,1,2-Trichloroethane	~	~	<1.5	~	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	~	~	<0.7	~	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	6**	0.2**	1.4	~	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	~	~	9.5	~	3.5 D	5.6 D	46 D	18 D	14 D	11.6	ND	ND
1,2-Dibromoethane	~	~	1.5	~	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	~	~	<1.2	~	ND	0.89 J	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	~	~	<0.9	~	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	~	<1.6	~	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	~	~	3.7	~	0.87 J	0.73 J	14 D	3.9 D	2.7 D	2.64	ND	ND
1,3-Butadiene	~	~	<3.0	~	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	~	~	<2.4	~	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	~	~	5.5	~	1.1 J	0.98 D	ND	ND	ND	ND	ND	ND
1,4-Dioxane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	~	~	~	~	0.83 D	1.4 D	3.7 D	9.7 D	4.7 D	ND	ND	ND
2-Hexanone	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	~	~	98.9	~	6.1 BD	4.6 D	260 BD	210 BD	170 BD	3.18	6.5 BD	8.2 BD
Acrylonitrile	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	~	~	9.4	~	1.7 D	3.1 D	ND	4.7 D	ND	1.96	0.78 D	0.74 D
Benzyl chloride	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	~	<1.7	~	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	~	~	4.2	~	1.5 D	ND	ND	3.7 D	0.75 D	ND	ND	ND
Carbon tetrachloride	6**	0.2**	<1.3	~	ND	ND	ND	ND	ND	0.25	0.4 D	0.42 D
Chlorobenzene	~	~	<0.9	~	2.3 D	2.7 D	ND	ND	ND	ND	ND	ND
Chloroethane	~	~	<1.1	~	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	~	~	1.1	~	ND	ND	ND	ND	15 D	ND	ND	ND
Chloromethane	~	~	3.7	~	ND	ND	ND	ND	ND	ND	1.5 D	1.6 D
cis-1,2-Dichloroethylene	6**	0.2**	<1.9	~	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	~	~	<2.3	~	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	~	~	~	~	ND	0.66 D	1.6 D	3.1 D	2.3 D	1.92	ND	ND
Dibromochloromethane	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	~	~	~	2.6 D	2.6 D	2.8 D	2.4 D	2.7 D	1.1	2.8 D	2.7 D
Ethyl acetate	~	~	5.4	~	ND	ND	ND	ND	1.1 J	ND	0.65 J	0.6 J
Ethyl Benzene	~	~	5.7	~	4.2 D	4.6 D	14 D	17 D	12 D	9.11	ND	ND
Hexachlorobutadiene	~	~	<6.8	~	ND	ND	ND	ND	ND	ND	ND	ND
Isopropanol	~	~	~	~	6.2 D	7.7 D	4.1 D	4.3 D	6.9 D	8.56	2.7 D	2.9 D
Methyl Methacrylate	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	1.9 D
Methyl tert-butyl ether (MTBE)	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100***	3***/60*	10.0	60	15 D	ND	3.5 D	ND	2.7 D	35.6	4.5 D	10 D
n-Heptane	~	~	~	~	ND	ND	7.2 D	210 D	3.8 D	2.56	0.37 D	0.41 D
n-Hexane	~	~	~	~	0.81 D	0.52 D	1.5 D	490 D	12 D	8.560	0.6 D	0.61 D
o-Xylene	~	~	7.9	~	3.7 D	4 D	33 D	22 D	16 D	13.1	0.39 J	0.36 J
p- & m- Xylenes	~	~	~	~	16 D	16 D	53 D	73 D	54 D	35.6	ND	ND
p-Ethyltoluene	~	~	3.6	~	3.8 D	4.3 D	37 D	22 D	18 D	ND	ND	ND
Propylene	~	~	~	~	ND	ND	2.10 D	ND	ND	ND	ND	ND
Styrene	~	~	1.9	~	1.4 D	1.5 D	ND	1.6 J	1 D	ND	ND	ND
Tetrachloroethylene (PCE)	100***	3***/30*	15.9	30	9.1 D	11 D	39 D	2.5 J	1.1 D	9.35	0.61 J	0.56 J
Tetrahydrofuran	~	~	~	~	1 J	1.5 D	ND	ND	ND	ND	ND	ND
Toluene	~	~	43.0	~	15 D	20 D	24 D	53 D	39 D	25.7	1.5 D	1.8 D
trans-1,2-Dichloroethylene	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	~	~	<1.3	~	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	6**	0.2**/2*	4.2	2	ND	0.32 D	ND	ND	0.24 D	ND	ND	ND
Trichlorofluoromethane (Freon 11)	~	~	~	~	1.5 D	3.3 D	2 J	ND	1.4 D	ND	1.5 D	1.5 D
Vinyl acetate	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl bromide	~	~	~	~	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	6****	0.2	<1.9	~	ND	ND	ND	ND	ND	ND	ND	ND



**Table 2 - Notes**  
**Phase II Environmental Assessment**  
**Warburton Avenue Apartments, LLC - Multiple Sites - Yonkers, New York**  
**Soil Vapor Laboratory Analytical Results Summary**  
**LaBella Project # 2221378**

**Notes:**

Concentrations in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )

Samples analyzed for VOCs by USEPA Method TO-15

ND indicates the concentration was not detected above the reporting limit

J indicates analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U indicates analyte not detected at or above the level indicated

B indicates analyte found in the analysis batch blank

D indicates a result is from an analysis that required a dilution

(~) indicates that no regulatory limit has been established for this analyte

**Bold font indicates concentrations were detected above the reporting limit**

Underline font indicates concentrations were detected above the USEPA Base Values

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 and subsequent updates. [Note: This Guidance uses a combination of indoor air and sub-slab soil vapor when comparing to the matrices. In addition, for compounds not listed in the matrices an overall site approach is employed which utilizes the USEPA BASE Database (see 2. below) as typical background for commercial buildings and also uses the outdoor air sample, refer to (2) USEPA Building Assessment and Survey Evaluation (BASE) Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance (Refer to Footnote "1") this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

\* = Values exceed Air Guideline Values obtained from Table 3.1, NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York and updates in September 2013 for PCE and August 2015 for TCE.

\*\* = Guideline Value obtained from Soil Vapor/Indoor Air Matrix A (minimum action level), NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

\*\*\* = Guidance Value obtained from Soil Vapor/Indoor Air Matrix B (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

\*\*\*\* = Guidance Value obtained from Soil Vapor/Indoor Air Matrix C (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.



# ATTACHMENT A

Geophysical Survey Report

Project # 2221378.00

Project Name: Conifer Realty

Site Location: City of Yonkers

Technician: Joseph Federico

Date Performed: 3/4 & 7/2022

Scope: The scope of the project was to search for UST's (Underground Storage Tanks) and utilities within the project boundaries.

GPR Findings: GPR located 2 possible UST's with the two separate areas.

Utilities located were 1 water line & 1 cut water line, 2 gas lines and 2 cut gas lines, and 1 unknown line.

### Project Site Picture

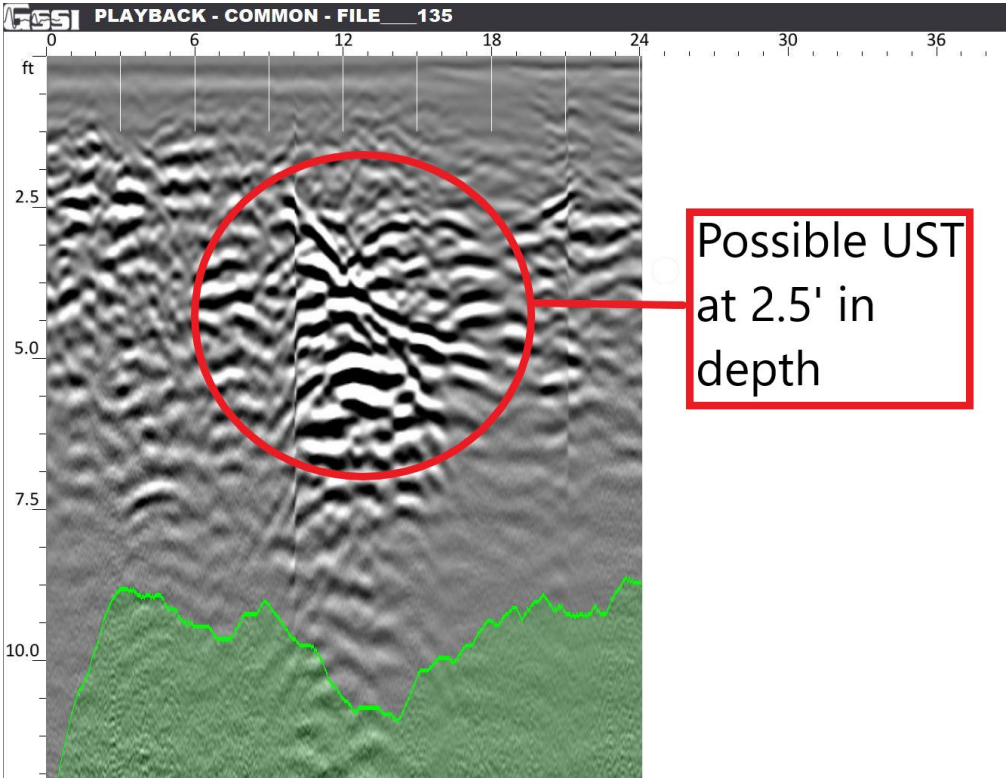


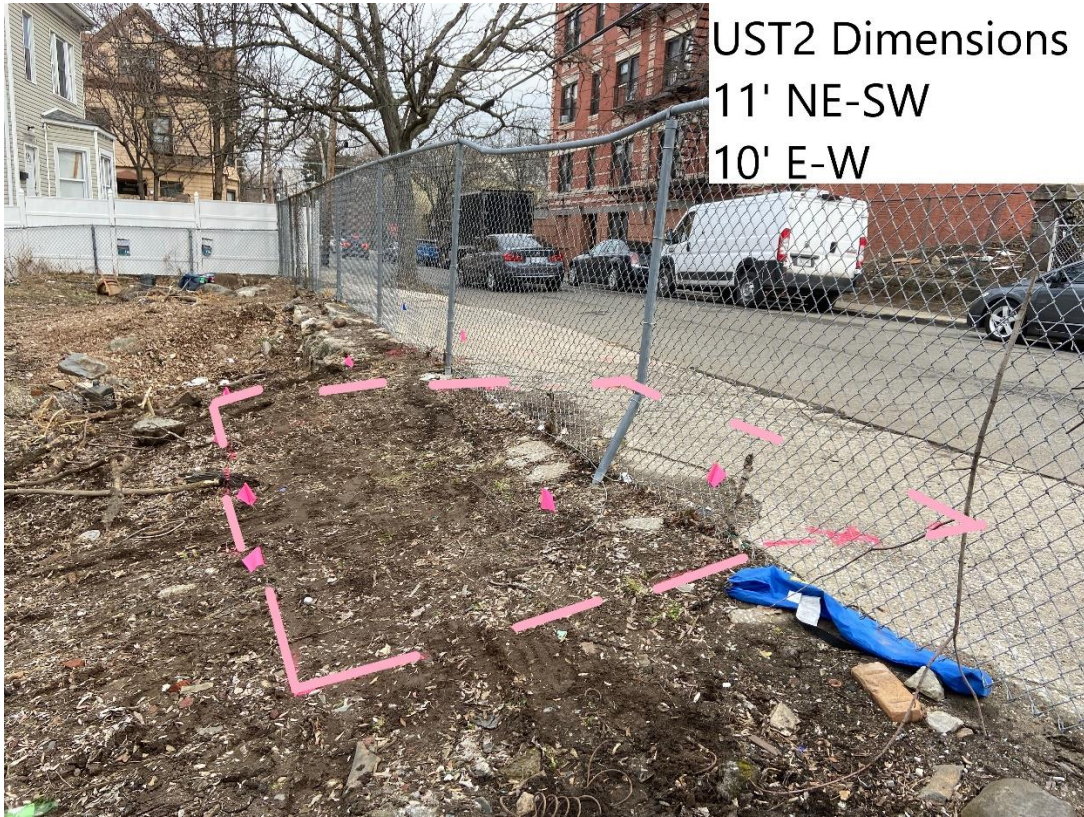
UST Pictures/Descriptions



Above is the picture of a possible UST at 2.5' in depth.

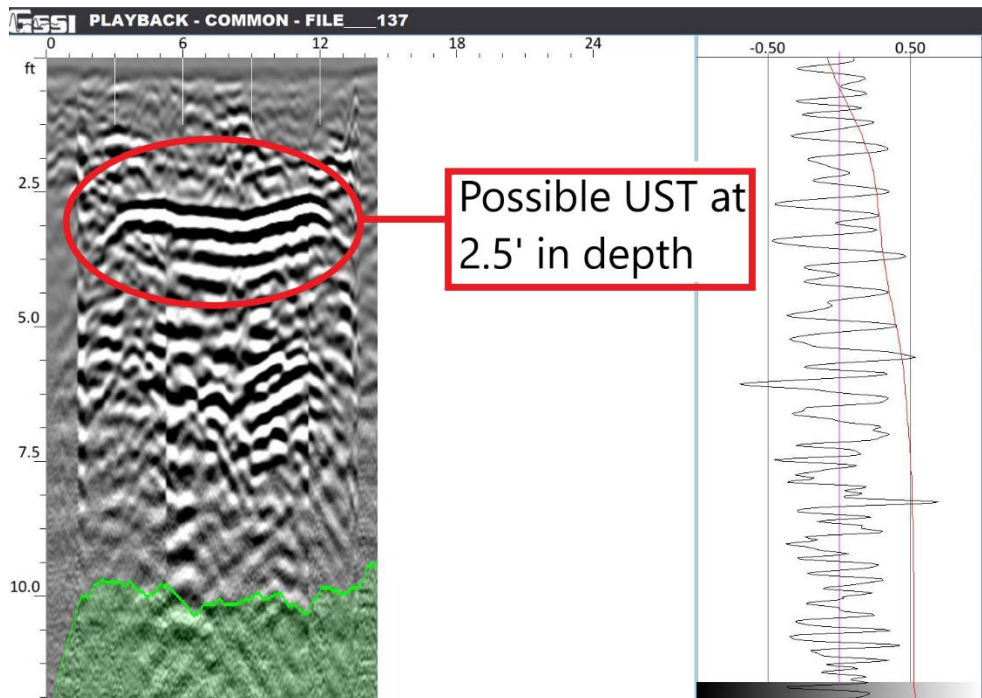
Below is it's GPR data screenshot.





Above is the picture of a possible UST at 2.5' in depth.

Below is it's GPR data screenshot.





# ATTACHMENT B

Soil Boring Field Logs

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: Warburton Dry Cleaner Site. LOCATION: Yonkers, NY CLIENT: Counter PROJECT NO.: 2221378	Test Boring No.: SB-01 Total Depth: 4 ft. Borehole Dia.: 2 in. Water Depth: — ft. Rock Depth: — ft. Well Depth: — ft.
Drill Rig: CDD 7622 DT Driller: Billy Geologist: Branson Felton	Start Date: 3/7/22 Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na

Depth (ft)	Elevation (ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								12" Mostly Brick w/ sand (f-m), L. concrete.		Sample SB-01 (2-4 ft) 0945 #141  Lot 22 East boundary  <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     SB-01 (0-2 ft)                      0940                 </div>
2			①		30			18" Mostly Sand (f-m); Little gravel (f); L. brick; L. concrete.		
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL NOTES:</b> 1. NOSOI - No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Woodworth</i> LOCATION: <i>Yonkers</i> CLIENT: <i>Canifer Realty</i> PROJECT NO.: <i>2221378</i>	Test Boring No.: <i>SB-02</i> Total Depth: <i>4</i> ft. Borehole Dia.: <i>1.5</i> in. Water Depth: <i>1</i> ft. Rock Depth: <i>1</i> ft. Well Depth: <i>1</i> ft.
Drill Rig: <i>Slide Hammer</i> Driller: <i>B. Fields</i> Geologist: <i>" "</i>	Start Date: <i>3/7/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1			①	24				<i>M. Sand (F); some silt; woso.</i>		<i>Lot 24</i> <i>Sande</i> <i>SB-02(0-2ft)</i> <i>Sample 1110</i> <i>SB-02(2-4ft)</i> <i>*Hold 1115</i>  <i>Soil Gas</i> <i>SG-01</i>
2								<i>M. sand (F); Lt. silt; woso.</i>		
3			②	22						
4										
5										
6										
7										
8										
9										
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METHODS: HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer SAMPLE TYPES: AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston STANDARD 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. NOTES: 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.		DRILLING INFORMATION		
ADDITIONAL 1. NOSOI-No obvious sign of impacts NOTES: 2. saa - same as above 3. bgs - below ground surface		4. TGSP - Temporary Groundwater Sampling Point		
Method:				
Method:				
Type:				
Diam.:				
Weight:				
Fall:				



### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Waburton Dry Cleaner S.R</i> LOCATION: <i>Yonkers NY</i> CLIENT: <i>Conifer Realty</i> PROJECT NO.: <i>2221328</i>	Test Boring No.: <i>SB-03</i> Total Depth: <i>4</i> ft.
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Drill Rig: <i>7822 OF</i> Driller: <i>CDD</i> Geologist: <i>B Fields</i>	Start Date: <i>3/7/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Borehole Dia.: <i>1.5</i> in. Water Depth: <i>-</i> ft. Rock Depth: <i>-</i> ft. Well Depth: <i>-</i> ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>18' M. sand (f-m); some brids; few gravel small; few silts</i> <i>30' M. sand (f-m) w/ silt; few brids; few gravel fine.</i>  <div style="text-align: center; margin-top: 20px;"><i>0-2</i></div>	<div style="text-align: center;"> </div>	<i>Lot 21</i> <i>Sample</i> <i>SB-03 (0-2 ft)</i> <i>11:30</i> <i>Sample (Hdd)</i> <hr/> <i>SB-03 (2-4 ft)</i> <i>11:35</i>  <i>*</i> <del><i>SB-03 (0-2 ft)</i></del>
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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22										
23										
24										
25										

**METHODS:** HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer

**SAMPLE TYPES:** AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston

**STANDARD** 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.

**NOTES:** 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.

3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.

**ADDITIONAL** 1. NOSOI-No obvious sign of impacts 4. TGSP - Temporary Groundwater Sampling Point

**NOTES:** 2. saa - same as above

3. bgs - below ground surface

DRILLING INFORMATION			
Method:	Casing	Sample	Core
Method:			
Type:			
Diam.:			
Weight:			
Fall:			

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Warburton Dry Cleaner site</i> LOCATION: <i>Yonkers</i> CLIENT: <i>Comfor Realty</i> PROJECT NO.: <i>2221378</i>	Test Boring No.: <i>SB-04</i> Total Depth: <i>4.0</i> ft. Borehole Dia.: <i>1.5</i> in. Water Depth: <i>—</i> ft. Rock Depth: <i>—</i> ft. Well Depth: <i>—</i> ft.
Drill Rig: <i>Slide Hammer</i> Driller: <i>Billy (200)</i> Geologist: <i>B. Fields</i>	Start Date: <i>3/7/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na

Depth (ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1			①	0.1				M. Sand (F) w/ silt. L. sand (m); few gravel (F) see PID		Samples
2				0.5						
3			②	0.3				SAA - see PID; dry		SB-04 (0-2 ft) 12:15
4				0.5						
5										SB-04 (2-4 ft) 12:20  <u>Lot 18</u>
6										
7										
8										
9										
10										
11										
12										
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16										
17										
18										
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21										
22										
23										
24										
25										

<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <u>Woodworth Ave.</u> LOCATION: <u>Yonkers, NY</u> CLIENT: <u>Comber Realty</u> PROJECT NO.: <u>2221378</u>	Test Boring No.: <u>SB-05</u> Total Depth: <u>4</u> ft. Borehole Dia.: <u>1.5</u> in. Water Depth: <u>-</u> ft. Rock Depth: <u>-</u> ft. Well Depth: <u>-</u> ft.
Drill Rig: <u>Slide Hammer</u> Driller: <u>CPD</u> Geologist: <u>B. Fields</u>	Start Date: <u>3/7/20</u> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na

Depth (ft)	Elevation (ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1			6	20				M. sand (F) w/ silt; tr. gravel (F); NOSO2		<u>Lot #17</u>
2										
3			2	20				SAA; tr. concrete. (NOSO1)		
4										<u>Sample</u> SB-05 (2-4ft) 12:45
5										
6										
7										
8										
9										
10										<u>Sample (Hold)</u> SB-05 (0-2ft) 12:40.
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL NOTES:</b> 1. NOSO1-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <u>Woodworth Ave.</u> LOCATION: <u>Yonkers, NY</u> CLIENT: <u>Canifer Realty</u> PROJECT NO.: <u>22-378</u>	Test Boring No.: <u>SB-06</u> Total Depth: <u>4</u> ft. Borehole Dia.: <u>1.5</u> in. Water Depth: <u>—</u> ft. Rock Depth: <u>—</u> ft. Well Depth: <u>—</u> ft.
Drill Rig: <u>Slide Hammer</u> Driller: <u>LDD</u> Geologist: <u>B. Fields</u>	Start Date: <u>3/7/22</u> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1			①	18				M. Sand (f) w/s.lt.; few gravel (f); No. 2		Sample SB-06 (2-4 ft) 13101
2										
3			②	21				saa. no sig		Sample (Hold) SB-06 (0-2 ft) 13105
4										Lot 16
5										
6										
7										
8										
9										
10										
11										
12										
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14										
15										
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24										
25										

<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
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<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: <u>Woodworth Ave.</u> LOCATION: <u>Yonkers.</u> CLIENT: <u>Compass Realty</u> PROJECT NO.: <u>222137B</u>		Test Boring No.: <u>SB-07</u> Total Depth: <u>4</u> ft.						
Drill Rig: <u>7822DT</u> Driller: <u>KDD</u> Geologist: <u>B. Fields</u>		Start Date: <u>3/7/22</u> Finish Date: El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na						
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								8" Asphalt.		Lot 26  Sample SB-07(2-4ft) 13:40
2			①	046				10" Concrete (slab?)		
3								20" M. sand (f-c); Lt. silt; Lt. Brick/Concrete)		
4								2" Brick; some sand (f)		
5										
6										
7										
8										
9										
10										
11										
12										
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23										
24										
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer				<b>DRILLING INFORMATION</b>																							
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston				Method:																							
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.				Method:																							
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Casing</td> <td style="text-align: center;">Sample</td> <td style="text-align: center;">Core</td> </tr> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </table>					Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
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Type:																											
Diam.:																											
Weight:																											
Fall:																											
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts				4. TGSP - Temporary Groundwater Sampling Point																							
<b>NOTES:</b> 2. saa - same as above																											
3. bgs - below ground surface																											

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <u>Woodworth Ave.</u> LOCATION: <u>Monks, NY</u> CLIENT: <u>Com. Per. Realty</u> PROJECT NO.: <u>2221378</u>	Test Boring No.: <u>SB-08</u> Total Depth: <u>4</u> ft.
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Drill Rig: <u>Zand Ot</u> Driller: <u>COO</u> Geologist: <u>B. Fields</u>	Start Date: <u>7/7/22</u> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Borehole Dia.: <u>2</u> in. Water Depth: <u>—</u> ft. Rock Depth: <u>—</u> ft. Well Depth: <u>—</u> ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								22" m. sand (f); little ash; little concrete / asphalt; fine gravel (f); tr. brcks.  26" m. sand (f) w/ silt; Lt. gravel (small); Little Ash/brick concrete.		<u>Lot 27</u>  <u>Samples</u> SB-08 (0-2 ft) 14:15 SB-08 (2-4 ft) 14:20  SG-02 Vapor sample location.
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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21										
22										
23										
24										
25										

<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="width: 33%;">Casing</th> <th style="width: 33%;">Sample</th> <th style="width: 33%;">Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b>		4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: Woodworth Ave. LOCATION: Yonkers, NY CLIENT: Corner Realty PROJECT NO.: 2221378		Test Boring No.: <b>SB-09</b>					
Drill Rig: <b>540T</b> Driller: <b>COO</b> Geologist: <b>R. F. Leds</b>		Start Date: <b>3/6/20</b> Finish Date: El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na		Total Depth: <b>4</b> ft. Borehole Dia.: <b>2</b> in. Water Depth: <b>-</b> ft. Rock Depth: <b>-</b> ft. Well Depth: <b>-</b> ft.					
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:	
1				1				Sand (F) w/ silt; brick frag; concrete frag, few ashes. (Fill)		<p><u>Lot 34</u> SB w/ former foundation area - Soil Gas Location (6-08)</p> <p>SB-09 (0-2 ft) ✓ 0915</p> <p>SB-09 (2-4 ft) ✓ 0920</p>	
2			(1) 0 44								
3											
4											
5											
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7											
8											
9											
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24											
25											
<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer								<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston								Method:			
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Method:			
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.								Casing    Sample    Core			
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Type:			
<b>ADDITIONAL</b>		1. NOSOI-No obvious sign of impacts		4. TGSP - Temporary Groundwater Sampling Point				Diam.:			
<b>NOTES:</b>		2. saa - same as above						Weight:			
		3. bgs - below ground surface						Fall:			

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Woodworth Ave.</i> LOCATION: <i>Yonkers, NY</i> CLIENT: <i>Counter Realty</i> PROJECT NO.: <i>0221378</i>	Test Boring No.: <i>SB-10</i> <hr/> Total Depth: <i>4</i> ft. Borehole Dia.: <i>2</i> in. Water Depth: <i>-</i> ft. Rock Depth: <i>-</i> ft. Well Depth: <i>-</i> ft.
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Drill Rig: <i>54 DR</i> Driller: <i>CPO</i> Geologist: <i>B. Fields</i>	Start Date: <i>7/6/02</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>40" M. Sand (f-m); some silt; brick/concrete frags;                      coal ash; wood debris.                      8" M. Sand (f) w/ silt,</i>		<i>Lot 35                      within bldg                      foundation                      footprint.                        Samples                      SB-10 (0-2 ft)                      0950                        SB-10 (2-4 ft)                      0955 #Hold</i>
2			(1)	48"						
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD:</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
	Casing	Sample	Core																		
Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL NOTES:</b> <table style="width: 100%;"> <tr> <td style="width: 33%;">1. NOSOI - No obvious sign of impacts</td> <td style="width: 33%;">4. TGSP - Temporary Groundwater Sampling Point</td> <td style="width: 33%;"></td> </tr> <tr> <td>2. saa - same as above</td> <td></td> <td></td> </tr> <tr> <td>3. bgs - below ground surface</td> <td></td> <td></td> </tr> </table>	1. NOSOI - No obvious sign of impacts	4. TGSP - Temporary Groundwater Sampling Point		2. saa - same as above			3. bgs - below ground surface														
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3. bgs - below ground surface																					



### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Woodworth Ave.</i> LOCATION: <i>Yonkers, NY</i> CLIENT: <i>Comfel Realty</i> PROJECT NO.: <i>222 1378</i>	Test Boring No.: <i>SB-11</i> Total Depth: <i>4</i> ft.
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Drill Rig: <i>54 DT</i> Driller: <i>CDD</i> Geologist: <i>B. Belds</i>	Start Date: <i>3/8/20</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Borehole Dia.: in. Water Depth: ft. Rock Depth: ft. Well Depth: ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>M. Sand (f-c); some silt; little concrete/brick; ash; wood debris.</i>		<p><u>Lot 36</u>                      within former bldg footprint west of anomaly ~ 10' 4' grade difference.</p> <p><u>Samples</u>                      SB-11 (0-2 ft)                      1015 + FD-01</p> <p>SB-11 (2-4 ft)                      1020 + Hold</p>
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method:																				
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Type:																					
Diam.:																					
Weight:																					
Fall:																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: <i>Woodworth Ave.</i> LOCATION: <i>Yonkers, NY</i> CLIENT: <i>Comifer Realty</i> PROJECT NO.: <i>220378</i>			Test Boring No.: <i>SB-12</i>																													
		Start Date: <i>3/10/22</i> Finish Date: El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na		Total Depth: <i>4</i> ft. Borehole Dia.: <i>2</i> in. Water Depth: <i>-</i> ft. Rock Depth: <i>-</i> ft. Well Depth: <i>-</i> ft.																												
Drill Rig: <i>54PT</i> Driller: <i>CDP</i> Geologist: <i>R. Fields</i>		Stratum and Field Descriptions:							Well Diagram	Field Notes, Well Notes, Comments:																								
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;">1</td> <td style="width: 20px;">2</td> <td style="width: 20px;">3</td> <td style="width: 20px;">4</td> <td style="width: 20px;">5</td> <td style="width: 20px;">6</td> <td style="width: 20px;">7</td> <td style="width: 20px;">8</td> <td style="width: 20px;">9</td> <td style="width: 20px;">10</td> <td style="width: 20px;">11</td> <td style="width: 20px;">12</td> <td style="width: 20px;">13</td> <td style="width: 20px;">14</td> <td style="width: 20px;">15</td> <td style="width: 20px;">16</td> <td style="width: 20px;">17</td> <td style="width: 20px;">18</td> <td style="width: 20px;">19</td> <td style="width: 20px;">20</td> <td style="width: 20px;">21</td> <td style="width: 20px;">22</td> <td style="width: 20px;">23</td> <td style="width: 20px;">24</td> <td style="width: 20px;">25</td> </tr> </table>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25										
<p style="margin-left: 40px;"><i>M. Sand (f-c); Lt. silt; Lt. Brick/concrete; Lt. gravel (f) - NOSOI.</i></p>								<p style="margin-left: 20px;"><i>Lot 37</i> <i>within former bldg foundation footprint</i></p> <p style="margin-left: 20px;"><i>Sample SB-12(0-2 ft) NOSOI</i></p>																										
METHODS: HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer							<b>DRILLING INFORMATION</b>																											
SAMPLE TYPES: AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston							Method:																											
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### Boring Log Field Form

<b>LaBella Associates</b>		4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> <i>Woodworth Ave</i> <b>LOCATION:</b> <i>Yonkers, NY</i> <b>CLIENT:</b> <i>Comfer Realty</i> <b>PROJECT NO.:</b> <i>2221378</i>			<b>Test Boring No.:</b> <i>SB-13</i>				
<b>Drill Rig:</b> <i>54 DT</i> <b>Driller:</b> <i>CDD</i> <b>Geologist:</b> <i>R. Fields</i>		<b>Start Date:</b> <i>3/8/22</i> <b>Finish Date:</b> <b>El. Datum:</b> <b>G.S. Elevation:</b>		<b>Northing:</b> na <b>Easting:</b> na <b>Longitude:</b> na <b>Latitude:</b> na		<b>Total Depth:</b> <i>4</i> ft. <b>Borehole Dia.:</b> <i>2</i> in. <b>Water Depth:</b> <i>—</i> ft. <b>Rock Depth:</b> <i>—</i> ft. <b>Well Depth:</b> <i>—</i> ft.					
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:	
1				6.2				<i>Mo sand (fine); some concrete/bricks; some ash (coal ash); wood debris. SEE PID;</i>		<i>Lot 38</i>  <i>within former bldg footprint.</i>  <u><i>Samples</i></u> <i>SB-13(0-2ft)</i> <i>1115</i>  <i>SB-13(2-4ft)</i> <i>1120</i>	
2			0.4								
3			0.5								
4			7.8								
5			8.4								
6			8.1								
7											
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<b>ADDITIONAL NOTES:</b> 1. NOSOI-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point								Method:			
								Method:			
									Casing	Sample	Core
								Type:			
								Diam.:			
Weight:											
Fall:											

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Woodworth Ave.</i> LOCATION: <i>Yankee, NY</i> CLIENT: <i>Center Realty</i> PROJECT NO.: <i>222137B</i>	Test Boring No.: <i>SB-14</i> Total Depth: <i>4</i> ft.
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Drill Rig: <i>54DI</i> Driller: <i>COV</i> Geologist: <i>B. Field</i>	Start Date: <i>3/4/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Borehole Dia.: <i>2</i> in. Water Depth: ft. Rock Depth: ft. Well Depth: ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>M. Sand (f) w/brake, some silt; Lt. concrete.</i>		<i>Lot 12</i> <i>w/ central</i> <i>garage bldg</i> <i>footprint.</i>  <i>SB-14 (0-2 ft)</i> <i>1215</i>
2										
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b> Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
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Type:																					
Diam.:																					
Weight:																					
Fall:																					
<b>ADDITIONAL</b> 1. NOSOI - No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface 4. TGSP - Temporary Groundwater Sampling Point																					

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: Warburton Dry Cleaner Sde LOCATION: Kenkers, NY CLIENT: Cons. for Realty PROJECT NO.: 2221378		Test Boring No.: SB-15						
		Start Date: 7/2/22 Finish Date: El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na						
Drill Rig: 54DT Driller: COD Geologist: B Fields				Total Depth: 4 ft. Borehole Dia.: 2 in. Water Depth: - ft. Rock Depth: - ft. Well Depth: - ft.						
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1				0.6				Sand (f.c); brick / concrete; Lt. gravel; Lt. Asphalt.		Lot 26 west half within former bldg footprint.  Sample SB-15 (0-2 ft) 12:35 ✓ SB-15 (2-4 ft) 12:40 ✓
2			① 1.1	45"						
3			1.2							
4			0.8							
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<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.				Method:																							
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<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts				4. TGSP - Temporary Groundwater Sampling Point																							
<b>NOTES:</b> 2. saa - same as above																											
3. bgs - below ground surface																											

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: <i>Mullica Falls</i> LOCATION: <i>Yorkburg</i> CLIENT: <i>Comber Realty</i> PROJECT NO.: <i>2221376</i>			Test Boring No.: <i>SB-16</i>					
		Start Date: <i>7/2/22</i> Finish Date: <i>7/2/22</i> El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na		Total Depth: <i>7</i> ft. Borehole Dia.: <i>1</i> in. Water Depth: Rock Depth: <i>17</i> ft. Well Depth: <i>1</i> ft.				
Drill Rig: <i>540DX</i> Driller: <i>Conrad</i> Geologist: <i>BWP</i>										
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>sand (f-c); Lt silt; concrete/brick; wood debris.</i>		Lot 28 North  Sample SB-16 (0-2ft) 1315
2			①	0	48"					
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer				<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston				Method:			
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.				Method:			
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.							
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.							
<b>ADDITIONAL</b>		1. NOSOI-No obvious sign of impacts		4. TGSP - Temporary Groundwater Sampling Point			
<b>NOTES:</b>		2. saa - same as above		3. bgs - below ground surface			

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: <i>Muller Sites</i> LOCATION: <i>Yonkers</i> CLIENT: <i>Courtesy Realty</i> PROJECT NO.: <i>221376</i>			Test Boring No.: <i>SB-17</i>						
		Start Date: <i>3/10/22</i> Finish Date: El. Datum: G.S. Elevation:		Northing: na Easting: na Longitude: na Latitude: na		Total Depth: <i>4</i> ft. Borehole Dia.: <i>2</i> in. Water Depth: <i>1</i> ft. Rock Depth: <i>1</i> ft. Well Depth: <i>1</i> ft.					
Drill Rig: <i>540T</i> Driller: <i>COO</i> Geologist: <i>RWF</i>		Stratum and Field Descriptions: <i>6" Asphalt.</i> <i>40" m. Sand (f-m); some concrete; Li. Bricks, Lt. silt, few gravel NUSCB</i>					Well Diagram Field Notes, Well Notes, Comments: <i>Lot 28</i> <i>South</i>  <i>SB-17</i> <i>* SB-17 (A-4A)</i>				
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol			Well Diagram	Field Notes, Well Notes, Comments:
1											
2			①	0	40"						
3											
4											
5											
6											
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer				<b>DRILLING INFORMATION</b>																							
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston				Method:																							
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.				Method:																							
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;">Casing</td> <td style="width: 25%;">Sample</td> <td style="width: 25%;">Core</td> </tr> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </table>					Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
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Type:																											
Diam.:																											
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Fall:																											
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.				4. TGSP - Temporary Groundwater Sampling Point																							
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of Impacts				4. TGSP - Temporary Groundwater Sampling Point																							
<b>NOTES:</b> 2. saa - same as above																											
3. bgs - below ground surface																											

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391	PROJECT: <i>Multi-Sites</i> LOCATION: <i>Yonkers</i> CLIENT: <i>Conder Realty</i> PROJECT NO.: <i>2221370</i>	Test Boring No.: <i>SB-18</i> Total Depth: <i>4</i> ft.
---	--	--

Drill Rig: <i>54-DT</i> Driller: <i>COB</i> Geologist: <i>B.F. O'S</i>	Start Date: <i>3/8/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Borehole Dia.: <i>2</i> in. Water Depth: <i>-</i> ft. Rock Depth: <i>-</i> ft. Well Depth: <i>-</i> ft.
--	--	--	--

Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1								<i>M. silt w/ sand (A); Lt. gravel.</i>		<i>Lot 32</i> <i>SW of residential.</i>  <i>SB-18(0-2ft)</i>
2			<i>1</i>	<i>0 41</i>						
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<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.	<b>DRILLING INFORMATION</b>															
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts 2. saa - same as above 3. bgs - below ground surface	4. TGSP - Temporary Groundwater Sampling Point Method: Method: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">Casing</th> <th style="width: 25%;">Sample</th> <th style="width: 25%;">Core</th> </tr> <tr> <td>Type:</td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> </tr> </table>	Casing	Sample	Core	Type:			Diam.:			Weight:			Fall:		
Casing	Sample	Core														
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Diam.:																
Weight:																
Fall:																



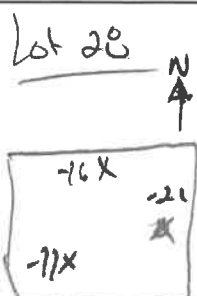
### Boring Log Field Form

<b>LaBella Associates</b>		4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> Warburton Dry Cleaner Site <b>LOCATION:</b> Yonkers, NY <b>CLIENT:</b> Conifer Realty <b>PROJECT NO.:</b> 2221376			<b>Test Boring No.:</b> SB-19 <b>Total Depth:</b> 4 ft. <b>Borehole Dia.:</b> 1.5 in. <b>Water Depth:</b> — ft. <b>Rock Depth:</b> — ft. <b>Well Depth:</b> — ft.															
<b>Drill Rig:</b> Slidestammer <b>Driller:</b> COB <b>Geologist:</b> B Fields		<b>Start Date:</b> 3/26/02 <b>Finish Date:</b> <b>El. Datum:</b> <b>G.S. Elevation:</b>		<b>Northing:</b> na <b>Easting:</b> na <b>Longitude:</b> na <b>Latitude:</b> na																		
Depth (ft)	Elevation (ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:												
1			①	0	20			M. sand (f-c); Lt. Ct. (concrete, brick; tile; plastics)		Lot 21												
2								SAA		East Boundary												
3			②	0	21					Sample												
4										SB-19 (0-2 ft) 0905												
5										SB-19 (2-4 ft) 0915												
6																						
7																						
8																						
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<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts <b>NOTES:</b> 2. saa - same as above 3. bgs - below ground surface								Method: Method:														
								<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Casing	Sample	Core	Type:				Diam.:			
	Casing	Sample	Core																			
Type:																						
Diam.:																						
Weight:																						
Fall:																						
<b>ADDITIONAL</b> 4. TGSP - Temporary Groundwater Sampling Point																						


### Boring Log Field Form

<b>LaBella Associates</b>		4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> Warburton Dry Cleaner Site <b>LOCATION:</b> 400 W. 1st St <b>CLIENT:</b> Corner Realty <b>PROJECT NO.:</b> 2021378			<b>Test Boring No.:</b> SB-20 <b>Total Depth:</b> 7 ft. <b>Borehole Dia.:</b> 7.5 in. <b>Water Depth:</b> - ft. <b>Rock Depth:</b> - ft. <b>Well Depth:</b> - ft.				
<b>Drill Rig:</b> slide Hammer <b>Driller:</b> COD <b>Geologist:</b> J. Melis		<b>Start Date:</b> 3/26/22 <b>Finish Date:</b> <b>El. Datum:</b> <b>G.S. Elevation:</b>		<b>Northing:</b> na <b>Easting:</b> na <b>Longitude:</b> na <b>Latitude:</b> na							
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:	
1			① 20					M. s. lts w/ sand, Lt. C&D (glass, wire, plastics, concrete; textiles)		<p style="text-align: center;"><u>Lot 24</u></p> <p>SB-20 (0-2 ft) 1020</p> <p>SB-20 (2-4 ft) 1030</p>	
2			② 24					SAA.			
3											
4											
5											
6											
7											
8											
9											
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25											
<b>METHODS:</b> HSA- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer								<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston								Method:			
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Method:			
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 20 feet.								Casing    Sample    Core			
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Type:			
<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts 4. TGSP - Temporary Groundwater Sampling Point								Diam.:			
<b>NOTES:</b> 2. saa - same as above								Weight:			
3. bgs - below ground surface								Fall:			

### Boring Log Field Form

<b>LaBella Associates</b> 4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: <i>Warburton Dry Cleaner Site</i> LOCATION: <i>Yorkers</i> CLIENT: PROJECT NO.:		Test Boring No.: <i>SB-21</i>																										
Drill Rig: <i>Slide Hammer</i> Driller: <i>COO</i> Geologist: <i>R. Feldy</i>		Start Date: <i>3/28/22</i> Finish Date: El. Datum: G.S. Elevation:	Northing: na Easting: na Longitude: na Latitude: na	Total Depth: <i>4</i> ft. Borehole Dia.: <i>1.5</i> in. Water Depth: <i>—</i> ft. Rock Depth: <i>—</i> ft. Well Depth: <i>—</i> ft.																										
Depth (ft)	Elevation (ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:																				
1			①	0	20			6" Asphalt		Lot 20   Samples SB-21 (0-2ft) 1120 SB-21 (2-4ft) 1130																				
2								16" m. sand (f.n); Some L+O (concrete; Lt Brck); asphalt; Lt silt + gravel																						
3			②	0	24			SAA: wood debris																						
4																														
5																														
6																														
7																														
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	Casing	Sample	Core																											
Type:																														
Diam.:																														
Weight:																														
Fall:																														

### Boring Log Field Form

<b>LaBella Associates</b>		4 British American Blvd. Latham, NY 12110 Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> <i>Waterbury Dry Cleaner Site</i> <b>LOCATION:</b> <i>Yonkers, NY</i> <b>CLIENT:</b> <i>Comfor Realty</i> <b>PROJECT NO.:</b> <i>2021376</i>		<b>Test Boring No.:</b> <i>SB 22</i> <b>Total Depth:</b> <i>4</i> ft. <b>Borehole Dia.:</b> <i>1.5</i> in. <b>Water Depth:</b> <i>—</i> ft. <b>Rock Depth:</b> <i>—</i> ft. <b>Well Depth:</b> <i>—</i> ft.																							
<b>Drill Rig:</b> <i>Slide Hammer</i> <b>Driller:</b> <i>CD</i> <b>Geologist:</b> <i>R. Elds</i>		<b>Start Date:</b> <i>3/20/22</i> <b>Finish Date:</b> <b>El. Datum:</b> <b>G.S. Elevation:</b>		<b>Northing:</b> na <b>Easting:</b> na <b>Longitude:</b> na <b>Latitude:</b> na																									
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	PID (ppm)	Recovery (in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:																			
1			① 18					<i>m. sand (f-m) w/ silt; L. CO (brick, concrete)</i>		<i>Lot 32</i>																			
2																													
3			② 20					<i>SAA; to gravel; to tile &amp; textiles</i>		<i>N</i>																			
4																													
5										<i>SB-22 (0-2ft)</i>																			
6										<i>1220</i>																			
7										<i>SB-22 (2-4ft)</i>																			
8										<i>1230</i>																			
9																													
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<b>ADDITIONAL</b> 1. NOSOI-No obvious sign of impacts <b>NOTES:</b> 2. saa - same as above 3. bgs - below ground surface								<b>Method:</b> <b>Method:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diam.:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Weight:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fall:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Casing	Sample	Core	Type:				Diam.:				Weight:				Fall:			
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Type:																													
Diam.:																													
Weight:																													
Fall:																													
<b>ADDITIONAL</b> 4. TGSP - Temporary Groundwater Sampling Point																													



# ATTACHMENT C

Soil Vapor Sampling Field Form

Soil Vapor Intrusion and Indoor Air Quality Sampling Field Form  
Phase II Environmental Site Assessment  
Warburton Dry Cleaners Site  
LaBella Project # 2221378

**Soil Vapor Samples**

Sample ID	Sample Location	Sample Date	Summa® Can ID	Regulator ID	Pre-Sample Helium Concentration (%)		Starting Pressure (in. of Hg)	Starting Time	Post-Sample Helium Concentration (%)		Ending Pressure (in. of Hg)	Ending Time	Purge Volume (Liters)	Sample Volume (Liters)
					Under Dome	SVP Implant			Under Dome	SVP Implant				
SG-01	Lot 24	3/14/2022	16976	13558	35.1	0.0	-30	10:45	40.1	0.0	-8	12:45	1.5	6
SG-02	Lot 26	3/14/2022	37003	7609	36.2	0.0	-30	10:20	39.5	0.0	-3	12:20	1.5	6
SG-03	Lot 34	3/14/2022	34503	6870	34.8	0.0	-30	10:00	40.2	0.0	-8	12:00	1.5	6
SG-04	Lot 38	3/14/2022	37793	Y-44	35.5	0.0	-30	10:35	38.7	0.0	-10	12:35	1.5	6
SG-05	Lot 32	3/14/2022	18307	4762	37.1	0.0	-26	10:25	39.6	0.0	-2	12:25	1.5	6
SG-06	Lot 22	3/28/2022	352	5000	38.5	0.0	-30	10:45	40.6	0.0	-7	13:00	1.5	6

**Outdoor Ambient Background Air Samples**

Sample ID	Sample Location	Sample Date	Summa® Can ID	Regulator ID	Starting Pressure (in. of Hg)	Starting Time	Ending Pressure (in. of Hg)	Ending Time	Sample Volume (Liters)
Ambient	Lot 36	3/14/2022	18306	13565	-30	9:45	-5	11:45	6
Field Dup	Lot 36	3/14/2022	10111	12191	-25	9:50	-2	11:50	6

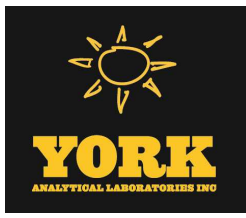
Notes: in. of Hg inches of mercury





# ATTACHMENT D

Laboratory Analytical Reports



# Technical Report

prepared for:

**LaBella Associates (Latham)**

4 British American Boulevard

Latham NY, 12110

**Attention: Branson Fields**

Report Date: 03/17/2022

**Client Project ID: 2221378 Woodworth Ave.**

York Project (SDG) No.: 22C0451

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)



Report Date: 03/17/2022  
Client Project ID: 2221378 Woodworth Ave.  
York Project (SDG) No.: 22C0451

**LaBella Associates (Latham)**  
4 British American Boulevard  
Latham NY, 12110  
Attention: Branson Fields

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2022 and listed below. The project was identified as your project: **2221378 Woodworth Ave.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0451-01	SB-01 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-02	SB-02 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-03	SB-03 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-04	SB-04 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-05	SB-04 (2-4 ft)	Soil	03/07/2022	03/08/2022
22C0451-06	SB-05 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-07	SB-06 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-08	SB-07 (2-4 ft)	Soil	03/07/2022	03/08/2022
22C0451-09	SB-08 (0-2 ft)	Soil	03/07/2022	03/08/2022
22C0451-10	SB-08 (2-4 ft)	Soil	03/07/2022	03/08/2022
22C0451-11	Trip Blank	Water	03/07/2022	03/08/2022
22C0451-12	SB-09 (0-2 ft)	Soil	03/08/2022	03/08/2022
22C0451-13	SB-10 (0-2 ft)	Soil	03/08/2022	03/08/2022
22C0451-14	SB-11 (0-2 ft)	Soil	03/08/2022	03/08/2022
22C0451-15	FD-01	Soil	03/08/2022	03/08/2022

## **General Notes for York Project (SDG) No.: 22C0451**

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

**Approved By:** 

**Date:** 03/17/2022

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 9:40 am	<u>Date Received</u> 03/08/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
67-64-1	Acetone	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.015</b>	<b>B</b>	mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT



### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 9:40 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:15	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/11/2022 23:15	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	96.8 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.9 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
208-96-8	Acenaphthylene	0.165		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
120-12-7	Anthracene	0.270		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
56-55-3	Benzo(a)anthracene	0.401		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH



### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 9:40 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.451		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
205-99-2	Benzo(b)fluoranthene	0.356		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
191-24-2	Benzo(g,h,i)perylene	0.448		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
207-08-9	Benzo(k)fluoranthene	0.373		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
218-01-9	Chrysene	0.458		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
53-70-3	Dibenzo(a,h)anthracene	0.126		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
206-44-0	Fluoranthene	0.574		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.353		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
85-01-8	Phenanthrene	0.252		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
108-95-2	Phenol	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
129-00-0	Pyrene	0.741		mg/kg dry	0.0509	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:04	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	95.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	89.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	99.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.1 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	92.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.3 %	24-116								

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 9:40 am	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
72-55-9	4,4'-DDE	13.4		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
50-29-3	4,4'-DDT	37.2		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
309-00-2	Aldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
5103-71-9	alpha-Chlordane	11.2		ug/kg dry	1.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 11:51	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
60-57-1	Dieldrin	20.4		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 11:51	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
72-20-8	Endrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 11:51	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	93.7 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.2 %	S-GC		30-150					

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ



### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 9:40 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
11096-82-5	<b>Aroclor 1260</b>	<b>0.0219</b>		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:35	BJ
1336-36-3	<b>* Total PCBs</b>	<b>0.0219</b>		mg/kg dry	0.0205	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 18:35	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	119 %	30-140							

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	24.7	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 15:51	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	57.8 %	21-150							

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	<b>Arsenic</b>	<b>11.9</b>		mg/kg dry	1.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-39-3	<b>Barium</b>	<b>236</b>		mg/kg dry	3.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-43-9	<b>Cadmium</b>	<b>0.386</b>		mg/kg dry	0.377	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-47-3	<b>Chromium</b>	<b>15.1</b>	B	mg/kg dry	0.628	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-50-8	<b>Copper</b>	<b>21.0</b>		mg/kg dry	2.51	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7439-92-1	<b>Lead</b>	<b>633</b>		mg/kg dry	0.628	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7439-96-5	<b>Manganese</b>	<b>294</b>		mg/kg dry	0.628	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT



### Sample Information

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 9:40 am

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	12.7		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7782-49-2	Selenium	ND		mg/kg dry	3.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-22-4	Silver	ND		mg/kg dry	0.628	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT
7440-66-6	Zinc	243		mg/kg dry	3.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:14	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.209		mg/kg dry	0.0377	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 12:28	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.628	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 09:06	03/14/2022 17:52	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.1		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.628	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/14/2022 14:39	03/14/2022 17:49	MEW





**Sample Information**

**Client Sample ID:** SB-01 (0-2 ft)

**York Sample ID:** 22C0451-01

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 9:40 am	<u>Date Received</u> 03/08/2022
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**Sample Information**

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 11:10 am	<u>Date Received</u> 03/08/2022
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**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
67-64-1	Acetone	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:10 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.014</b>	B	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/11/2022 23:43	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/11/2022 23:43	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.5 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:10 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
208-96-8	Acenaphthylene	0.0505	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
120-12-7	Anthracene	0.0658	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
56-55-3	Benzo(a)anthracene	0.190		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
50-32-8	Benzo(a)pyrene	0.189		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
205-99-2	Benzo(b)fluoranthene	0.209		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
191-24-2	Benzo(g,h,i)perylene	0.152		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
207-08-9	Benzo(k)fluoranthene	0.137		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
218-01-9	Chrysene	0.203		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
53-70-3	Dibenzo(a,h)anthracene	0.0538	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
206-44-0	Fluoranthene	0.395		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.155		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
85-01-8	Phenanthrene	0.177		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH
129-00-0	Pyrene	0.279		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:11	KH

Surrogate Recoveries	Result	Acceptance Range
367-12-4 Surrogate: SURR: 2-Fluorophenol	62.5 %	20-108
4165-62-2 Surrogate: SURR: Phenol-d5	62.1 %	23-114
4165-60-0 Surrogate: SURR: Nitrobenzene-d5	73.8 %	22-108



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:10 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	58.2 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	85.8 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	67.8 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
72-54-8	4,4'-DDD	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
72-55-9	4,4'-DDE	9.26		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
50-29-3	4,4'-DDT	25.4		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
309-00-2	Aldrin	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
319-84-6	alpha-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
5103-71-9	alpha-Chlordane	214		ug/kg dry	1.64	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 12:07	CM	
319-85-7	beta-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
319-86-8	delta-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
60-57-1	Dieldrin	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
959-98-8	Endosulfan I	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
33213-65-9	Endosulfan II	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 12:07	CM	
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
72-20-8	Endrin	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
76-44-8	Heptachlor	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:07	CM	
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	133 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	19.1 %	S-GC		30-150						



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:10 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
11096-82-5	<b>Aroclor 1260</b>	<b>0.0283</b>		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 18:48	BJ
1336-36-3	<b>* Total PCBs</b>	<b>0.0283</b>		mg/kg dry	0.0205	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 18:48	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	78.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	121 %	30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	24.1	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:02	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.0 %	21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	<b>Arsenic</b>	<b>5.81</b>		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-39-3	<b>Barium</b>	<b>161</b>		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-43-9	<b>Cadmium</b>	<b>1.17</b>		mg/kg dry	0.371	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:10 am

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	27.1	B	mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-50-8	Copper	65.1		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7439-92-1	Lead	296		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7439-96-5	Manganese	300		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-02-0	Nickel	25.0		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7782-49-2	Selenium	ND		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-22-4	Silver	ND		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT
7440-66-6	Zinc	354		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:16	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.317		mg/kg dry	0.0371	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 12:37	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.618	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 09:06	03/14/2022 17:52	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.1		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.618	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

**Client Sample ID:** SB-02 (0-2 ft)

**York Sample ID:** 22C0451-02

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 11:10 am	<u>Date Received</u> 03/08/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/14/2022 14:39	03/14/2022 17:49	MEW

### Sample Information

**Client Sample ID:** SB-03 (0-2 ft)

**York Sample ID:** 22C0451-03

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 11:30 am	<u>Date Received</u> 03/08/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
67-64-1	Acetone	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT



### Sample Information

**Client Sample ID:** SB-03 (0-2 ft)

**York Sample ID:** 22C0451-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 11:30 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.0091</b>	J, B	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:11	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 00:11	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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### Sample Information

**Client Sample ID:** SB-03 (0-2 ft)

**York Sample ID:** 22C0451-03

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 11:30 am	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0520</b>	J	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.0675</b>	J	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0535</b>	J	mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0486	0.0970	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 17:41	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.3 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	72.8 %	23-114								



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2221378 Woodworth Ave.

Soil

March 7, 2022 11:30 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	94.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.1 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
72-54-8	<b>4,4'-DDD</b>	<b>53.4</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
72-55-9	<b>4,4'-DDE</b>	<b>30.9</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
50-29-3	<b>4,4'-DDT</b>	<b>132</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
309-00-2	Aldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
319-84-6	alpha-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 01:11	CM	
319-85-7	beta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
319-86-8	delta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
60-57-1	<b>Dieldrin</b>	<b>5.39</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
959-98-8	Endosulfan I	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
33213-65-9	Endosulfan II	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 01:11	CM	
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
72-20-8	Endrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
76-44-8	Heptachlor	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 01:11	CM	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	97.0 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.1 %			30-150						



### Sample Information

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2221378 Woodworth Ave.

Soil

March 7, 2022 11:30 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
11096-82-5	Aroclor 1260	ND	PCB-I	mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:02	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 19:02	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	71.0 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	100 %	30-140

**Herbicides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.1	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:13	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	56.2 %	21-150
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**Metals, NYSDEC Part 375**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	7.23		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-39-3	Barium	97.7		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.353	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT



### Sample Information

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Soil

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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	16.7	B	mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-50-8	Copper	14.8		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7439-92-1	Lead	76.1		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7439-96-5	Manganese	318		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-02-0	Nickel	14.4		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-22-4	Silver	ND		mg/kg dry	0.588	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT
7440-66-6	Zinc	46.5		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:19	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.170		mg/kg dry	0.0353	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 12:46	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.588	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 09:06	03/14/2022 17:52	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.588	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	85.1		%	0.100	1	SM 2540G	03/14/2022 14:39	03/14/2022 17:49	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 00:38	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.014</b>	B	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 00:38	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 00:38	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 12:15 pm	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0866</b>	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.395</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
120-12-7	<b>Anthracene</b>	<b>0.789</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>3.52</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>2.82</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>3.56</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>1.88</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>3.66</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
218-01-9	<b>Chrysene</b>	<b>5.18</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.904</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
132-64-9	<b>Dibenzofuran</b>	<b>0.103</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
206-44-0	<b>Fluoranthene</b>	<b>9.44</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
86-73-7	<b>Fluorene</b>	<b>0.107</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>2.51</b>		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
85-01-8	<b>Phenanthrene</b>	<b>4.65</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:11	KH
129-00-0	<b>Pyrene</b>	<b>6.69</b>		mg/kg dry	0.240	0.479	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/16/2022 10:51	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								



### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.6 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	69.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	88.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.4 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	<b>4,4'-DDD</b>	<b>28.2</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
72-55-9	<b>4,4'-DDE</b>	<b>43.7</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
50-29-3	<b>4,4'-DDT</b>	<b>135</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
309-00-2	Aldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
5103-71-9	<b>alpha-Chlordane</b>	<b>18.3</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 12:24	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
60-57-1	<b>Dieldrin</b>	<b>23.4</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 12:24	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
72-20-8	Endrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:24	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	104 %			30-150					





### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Pesticides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	19.3 %	S-GC		30-150					

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:15	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 19:15	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	58.5 %		30-140
2051-24-3	Surrogate: Decachlorobiphenyl	77.0 %		30-140

**Herbicides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.1	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:23	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.6 %		21-150
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**Metals, NYSDEC Part 375**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	5.73		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT



### Sample Information

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	<b>Barium</b>	<b>712</b>		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-43-9	<b>Cadmium</b>	<b>1.56</b>		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-47-3	<b>Chromium</b>	<b>27.8</b>	B	mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-50-8	<b>Copper</b>	<b>125</b>		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7439-92-1	<b>Lead</b>	<b>946</b>		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7439-96-5	<b>Manganese</b>	<b>315</b>		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-02-0	<b>Nickel</b>	<b>23.5</b>		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7782-49-2	Selenium	ND		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-22-4	Silver	ND		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT
7440-66-6	<b>Zinc</b>	<b>708</b>		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:21	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	<b>Mercury</b>	<b>0.639</b>		mg/kg dry	0.0354	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 12:55	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.590	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 09:06	03/14/2022 17:52	JAMT

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	<b>27.8</b>		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM



**Sample Information**

**Client Sample ID:** SB-04 (0-2 ft)

**York Sample ID:** 22C0451-04

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:15 pm

03/08/2022

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.590	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/14/2022 14:39	03/14/2022 17:49	MEW

**Sample Information**

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT



### Sample Information

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.0088	J	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
75-09-2	Methylene chloride	0.036	B	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:06	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 01:06	BMT
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %		77-125							



### Sample Information

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	95.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.151</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.159</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.141</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.108</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.145</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
218-01-9	<b>Chrysene</b>	<b>0.158</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
206-44-0	<b>Fluoranthene</b>	<b>0.326</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.117</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH



### Sample Information

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
85-01-8	<b>Phenanthrene</b>	<b>0.130</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
129-00-0	<b>Pyrene</b>	<b>0.254</b>		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 18:41	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %						20-108			
4165-62-2	Surrogate: SURR: Phenol-d5	72.2 %						23-114			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.8 %						22-108			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.7 %						21-113			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	94.0 %						19-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.3 %						24-116			

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	<b>4,4'-DDD</b>	<b>24.9</b>		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
72-55-9	<b>4,4'-DDE</b>	<b>19.4</b>		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
50-29-3	<b>4,4'-DDT</b>	<b>13.2</b>		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
309-00-2	Aldrin	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
5103-71-9	<b>alpha-Chlordane</b>	<b>8.18</b>		ug/kg dry	1.63	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/17/2022 11:23	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
60-57-1	<b>Dieldrin</b>	<b>56.0</b>		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/17/2022 11:23	CM



### Sample Information

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
72-20-8	Endrin	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 11:23	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	88.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.7 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:29	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 19:29	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	87.0 %	30-140							

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.9	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:34	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							



### Sample Information

**Client Sample ID:** SB-04 (2-4 ft)

**York Sample ID:** 22C0451-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:20 pm

03/08/2022

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	63.8 %			21-150					

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	3.23		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-39-3	Barium	674		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-43-9	Cadmium	1.08		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-47-3	Chromium	32.1	B	mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-50-8	Copper	58.4		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7439-92-1	Lead	681		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7439-96-5	Manganese	297		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-02-0	Nickel	22.1		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-22-4	Silver	ND		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT
7440-66-6	Zinc	483		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:24	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.206		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 13:04	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**





Sample Information

Client Sample ID: SB-04 (2-4 ft)

York Sample ID: 22C0451-05

York Project (SDG) No. 22C0451 Client Project ID 2221378 Woodworth Ave. Matrix Soil Collection Date/Time March 7, 2022 12:20 pm Date Received 03/08/2022

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/kg dry 0.557 1 EPA 7196A 03/14/2022 14:31 03/14/2022 21:22 ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1 \* Chromium, Trivalent 32.1 mg/kg 0.500 1 Calculation 03/15/2022 16:48 03/16/2022 18:46 PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5 Cyanide, total ND mg/kg dry 0.557 1 EPA 9014/9010C 03/15/2022 08:27 03/15/2022 14:10 TJA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids \* % Solids 89.8 % 0.100 1 SM 2540G 03/14/2022 14:39 03/14/2022 17:49 MEW

Sample Information

Client Sample ID: SB-05 (0-2 ft)

York Sample ID: 22C0451-06

York Project (SDG) No. 22C0451 Client Project ID 2221378 Woodworth Ave. Matrix Soil Collection Date/Time March 7, 2022 12:40 pm Date Received 03/08/2022

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows 1-4: 71-55-6 1,1,1-Trichloroethane ND mg/kg dry 0.0025 0.0050 1 EPA 8260C 03/11/2022 12:30 03/12/2022 01:34 BMT; 75-34-3 1,1-Dichloroethane ND mg/kg dry 0.0025 0.0050 1 EPA 8260C 03/11/2022 12:30 03/12/2022 01:34 BMT; 75-35-4 1,1-Dichloroethylene ND mg/kg dry 0.0025 0.0050 1 EPA 8260C 03/11/2022 12:30 03/12/2022 01:34 BMT; 95-63-6 1,2,4-Trimethylbenzene ND mg/kg dry 0.0025 0.0050 1 EPA 8260C 03/11/2022 12:30 03/12/2022 01:34 BMT



### Sample Information

**Client Sample ID:** SB-05 (0-2 ft)

**York Sample ID:** 22C0451-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:40 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
67-64-1	Acetone	0.0083	J	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
75-09-2	Methylene chloride	0.0073	J, B	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.0099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT



### Sample Information

**Client Sample ID:** SB-05 (0-2 ft)

**York Sample ID:** 22C0451-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:40 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 01:34	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 01:34	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	106 %		77-125							
2037-26-5	Surrogate: SURRE: Toluene-d8	96.5 %		85-120							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	105 %		76-130							

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
120-12-7	Anthracene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.404</b>	J	mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.416</b>	J	mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.530</b>		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.538</b>		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.396</b>	J	mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
218-01-9	<b>Chrysene</b>	<b>0.490</b>	J	mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH



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March 7, 2022 12:40 pm

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**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
206-44-0	<b>Fluoranthene</b>	<b>1.04</b>		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
86-73-7	Fluorene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.420</b>	J	mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
85-01-8	<b>Phenanthrene</b>	<b>0.565</b>		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
129-00-0	<b>Pyrene</b>	<b>0.722</b>		mg/kg dry	0.246	0.491	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:11	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	71.6 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	80.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	96.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	121 %	S-01		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.8 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
50-29-3	<b>4,4'-DDT</b>	<b>6.66</b>		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
309-00-2	Aldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM



### Sample Information

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York Project (SDG) No.

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 12:40 pm

03/08/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
5103-71-9	alpha-Chlordane	21.9		ug/kg dry	1.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 12:41	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 12:41	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
72-20-8	Endrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:41	CM
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	80.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	19.5 %	S-GC	30-150						

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:43	BJ



### Sample Information

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2221378 Woodworth Ave.

Soil

March 7, 2022 12:40 pm

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 19:43	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	102 %	30-140							

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.5	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:45	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	59.2 %	21-150							

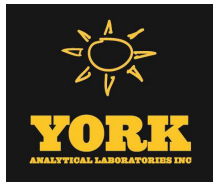
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	5.85		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-39-3	Barium	591		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-43-9	Cadmium	0.964		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-47-3	Chromium	29.0	B	mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-50-8	Copper	57.0		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7439-92-1	Lead	1910		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7439-96-5	Manganese	367		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-02-0	Nickel	24.9		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:26	KT



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2221378 Woodworth Ave.

Soil

March 7, 2022 12:40 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	699		mg/kg dry	3.00	1	EPA 6010D	03/14/2022 19:34	03/15/2022 18:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.431		mg/kg dry	0.0360	1	EPA 7473	03/15/2022 10:21	03/15/2022 13:13	K T
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.600	1	EPA 7196A	03/14/2022 14:31	03/14/2022 21:22	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	29.0		mg/kg	0.500	1	Calculation	03/15/2022 16:48	03/16/2022 18:46	PAM
							Certifications:			

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.600	1	EPA 9014/9010C	03/15/2022 08:27	03/15/2022 14:10	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.3		%	0.100	1	SM 2540G	03/14/2022 14:39	03/14/2022 17:49	MEW
							Certifications:	CTDOH		



### Sample Information

**Client Sample ID:** SB-06 (0-2 ft)

**York Sample ID:** 22C0451-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
67-64-1	Acetone	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.0072</b>	J, B	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT





### Sample Information

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:02	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 02:02	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	106 %			77-125						
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	96.0 %			85-120						
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	106 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.596</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
120-12-7	<b>Anthracene</b>	<b>0.496</b>	J	mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>1.23</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>1.13</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH



### Sample Information

**Client Sample ID:** SB-06 (0-2 ft)

**York Sample ID:** 22C0451-07

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2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>1.35</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.907</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>1.30</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
218-01-9	<b>Chrysene</b>	<b>1.64</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.359</b>	J	mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
206-44-0	<b>Fluoranthene</b>	<b>4.20</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.04</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
85-01-8	<b>Phenanthrene</b>	<b>3.15</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH
129-00-0	<b>Pyrene</b>	<b>2.77</b>		mg/kg dry	0.253	0.504	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 14:41	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURRE: 2-Fluorophenol	51.8 %			20-108
4165-62-2	Surrogate: SURRE: Phenol-d5	9.00 %	S-01		23-114
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	74.0 %			22-108
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	56.4 %			21-113
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	90.0 %			19-110
1718-51-0	Surrogate: SURRE: Terphenyl-d14	70.8 %			24-116

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SB-06 (0-2 ft)

**York Sample ID:** 22C0451-07

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
50-29-3	<b>4,4'-DDT</b>	<b>19.3</b>		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
309-00-2	Aldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
5103-71-9	<b>alpha-Chlordane</b>	<b>75.1</b>		ug/kg dry	1.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 12:58	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 12:58	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
72-20-8	Endrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 12:58	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	83.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	19.5 %		30-150						

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ



### Sample Information

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Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
11096-82-5	<b>Aroclor 1260</b>	<b>0.0256</b>		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 19:56	BJ
1336-36-3	<b>* Total PCBs</b>	<b>0.0256</b>		mg/kg dry	0.0198	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 19:56	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	66.0 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	90.5 %			30-140					

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.5	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 16:56	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>					
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	41.2 %			21-150					

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	<b>Arsenic</b>	<b>4.49</b>		mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-39-3	<b>Barium</b>	<b>480</b>		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-43-9	<b>Cadmium</b>	<b>0.700</b>		mg/kg dry	0.364	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-47-3	<b>Chromium</b>	<b>24.8</b>	B	mg/kg dry	0.606	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-50-8	<b>Copper</b>	<b>54.4</b>		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7439-92-1	<b>Lead</b>	<b>1520</b>		mg/kg dry	0.606	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT



### Sample Information

**Client Sample ID:** SB-06 (0-2 ft)

**York Sample ID:** 22C0451-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	395		mg/kg dry	0.606	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-02-0	Nickel	20.1		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7782-49-2	Selenium	ND		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-22-4	Silver	0.704		mg/kg dry	0.606	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT
7440-66-6	Zinc	463		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:29	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.332		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 13:22	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.606	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.8		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.606	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SB-06 (0-2 ft)

**York Sample ID:** 22C0451-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:05 pm

03/08/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	82.5		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:40 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	0.011		mg/kg dry	0.0051	0.010	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:29	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:40 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.029</b>	B	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:29	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 02:29	BMT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	96.7 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 1:40 pm	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
120-12-7	Anthracene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
218-01-9	Chrysene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
86-73-7	Fluorene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
129-00-0	Pyrene	ND		mg/kg dry	0.248	0.494	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:11	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	73.0 %	23-114								





### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:40 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	85.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.4 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
309-00-2	Aldrin	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 23:02	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 23:02	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
72-20-8	Endrin	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.60	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:02	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	110 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	28.7 %	S-GC		30-150					



### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:40 pm

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:10	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 20:10	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	77.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.6	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 17:06	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	24.4 %	21-150
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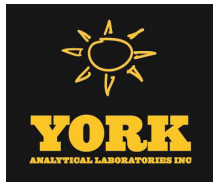
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.71		mg/kg dry	1.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-39-3	Barium	191		mg/kg dry	2.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-43-9	Cadmium	0.624		mg/kg dry	0.356	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT



### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 1:40 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	19.4	B	mg/kg dry	0.594	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-50-8	Copper	31.6		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7439-92-1	Lead	448		mg/kg dry	0.594	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7439-96-5	Manganese	362		mg/kg dry	0.594	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-02-0	Nickel	16.6		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7782-49-2	Selenium	ND		mg/kg dry	2.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-22-4	Silver	ND		mg/kg dry	0.594	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT
7440-66-6	Zinc	300		mg/kg dry	2.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 19:34	03/15/2022 18:31	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.200		mg/kg dry	0.0356	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 13:31	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.594	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	19.4		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.594	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

**Client Sample ID:** SB-07 (2-4 ft)

**York Sample ID:** 22C0451-08

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 1:40 pm	<u>Date Received</u> 03/08/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	84.2		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-08 (0-2 ft)

**York Sample ID:** 22C0451-09

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 2:15 pm	<u>Date Received</u> 03/08/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	03/11/2022 12:30	03/12/2022 02:57	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



### Sample Information

**Client Sample ID:** SB-08 (0-2 ft)

**York Sample ID:** 22C0451-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:15 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.039</b>	B	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 02:57	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 02:57	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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### Sample Information

**Client Sample ID:** SB-08 (0-2 ft)

**York Sample ID:** 22C0451-09

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 2:15 pm	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
120-12-7	Anthracene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
218-01-9	Chrysene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
129-00-0	Pyrene	ND		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:41	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	69.0 %	23-114								



### Sample Information

**Client Sample ID:** SB-08 (0-2 ft)

**York Sample ID:** 22C0451-09

York Project (SDG) No.

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:15 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	90.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.0 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
50-29-3	<b>4,4'-DDT</b>	<b>11.6</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
309-00-2	Aldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 23:19	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 23:19	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
72-20-8	Endrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:19	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>								<b>Acceptance Range</b>
2051-24-3	Surrogate: Decachlorobiphenyl	88.8 %								30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	28.6 %	S-GC							30-150



### Sample Information

**Client Sample ID:** SB-08 (0-2 ft)

**York Sample ID:** 22C0451-09

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Soil

March 7, 2022 2:15 pm

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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:24	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 20:24	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	109 %	30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.9	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 17:17	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	57.2 %	21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.85		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-39-3	Barium	423		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-43-9	Cadmium	0.607		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT





**Sample Information**

**Client Sample ID:** SB-08 (0-2 ft)

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2221378 Woodworth Ave.

Soil

March 7, 2022 2:15 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	30.5		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-50-8	Copper	36.9		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7439-92-1	Lead	461		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7439-96-5	Manganese	266		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-02-0	Nickel	29.3		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT
7440-66-6	Zinc	533		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:34	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.196		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 14:20	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.581	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	30.5		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.581	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

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Soil

March 7, 2022 2:15 pm

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**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	86.1		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 12:30	03/12/2022 03:25	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.0082</b>	J, B	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:25	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 03:25	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 7, 2022 2:20 pm	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:11	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	86.1 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	81.8 %			23-114						



### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

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Client Project ID

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	109 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	92.6 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
309-00-2	Aldrin	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 23:35	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 23:35	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
72-20-8	Endrin	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:35	CM

	Surrogate Recoveries	Result	Flag	Acceptance Range
2051-24-3	Surrogate: Decachlorobiphenyl	93.3 %		30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	25.2 %	S-GC	30-150



### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

York Project (SDG) No.

Client Project ID

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22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:37	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 20:37	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	86.0 %	30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.6	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 17:28	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	62.4 %	21-150
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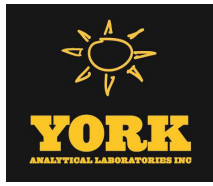
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.21		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-39-3	Barium	174		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT



**Sample Information**

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	21.5		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-50-8	Copper	21.1		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7439-92-1	Lead	1390		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7439-96-5	Manganese	304		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-02-0	Nickel	17.4		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-22-4	Silver	0.835		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT
7440-66-6	Zinc	85.7		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:43	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0588		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 14:27	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.573	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.5		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.573	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

**Client Sample ID:** SB-08 (2-4 ft)

**York Sample ID:** 22C0451-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 7, 2022 2:20 pm

03/08/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	87.3		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 22C0451-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Water

March 7, 2022 3:00 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/08/2022 09:00	03/09/2022 12:44	PD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			





### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 22C0451-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Water

March 7, 2022 3:00 pm

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/08/2022 09:00	03/09/2022 12:44	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	03/08/2022 09:00	03/09/2022 12:44	PD
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	91.3 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	94.8 %	79-122								



### Sample Information

**Client Sample ID:** SB-09 (0-2 ft)

**York Sample ID:** 22C0451-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:15 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.016</b>	<b>B</b>	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT



### Sample Information

**Client Sample ID:** SB-09 (0-2 ft)

**York Sample ID:** 22C0451-12

York Project (SDG) No.

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2221378 Woodworth Ave.

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March 8, 2022 9:15 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 03:53	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 03:53	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	96.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
120-12-7	<b>Anthracene</b>	<b>0.0698</b>	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.109</b>		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.117</b>		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH



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**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	0.156		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
191-24-2	Benzo(g,h,i)perylene	0.226		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
207-08-9	Benzo(k)fluoranthene	0.118		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
218-01-9	Chrysene	0.106		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
206-44-0	Fluoranthene	0.200		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.196		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
85-01-8	Phenanthrene	0.0802	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH
129-00-0	Pyrene	0.152		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 19:41	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	71.4 %			20-108
4165-62-2	Surrogate: SURR: Phenol-d5	71.3 %			23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.2 %			22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.4 %			21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.8 %			19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			24-116

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SB-09 (0-2 ft)

**York Sample ID:** 22C0451-12

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**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
309-00-2	Aldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/16/2022 23:52	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/16/2022 23:52	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
72-20-8	Endrin	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.62	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/16/2022 23:52	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	85.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.1 %	S-GC	30-150						

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ



### Sample Information

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2221378 Woodworth Ave.

Soil

March 8, 2022 9:15 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 20:51	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 20:51	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	71.5 %	30-140							

**Herbicides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.7	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 17:39	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	56.0 %	21-150							

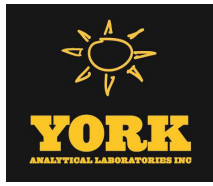
**Metals, NYSDEC Part 375**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	144		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-39-3	Barium	132		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-43-9	Cadmium	2.85		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-47-3	Chromium	24.7		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-50-8	Copper	31.2		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7439-92-1	Lead	819		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT



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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	352		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-02-0	Nickel	20.9		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7782-49-2	Selenium	55.6		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT
7440-66-6	Zinc	484		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:46	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.53		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 14:36	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.7		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.599	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** SB-09 (0-2 ft)

**York Sample ID:** 22C0451-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:15 am

03/08/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	83.4		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	0.0074	J	mg/kg dry	0.0056	0.011	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:20	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			





### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.010</b>	J, B	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:20	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 04:20	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 9:50 am	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
208-96-8	<b>Acenaphthylene</b>	<b>4.20</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
120-12-7	<b>Anthracene</b>	<b>2.31</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>4.38</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>5.71</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>5.50</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>4.83</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>5.20</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
218-01-9	<b>Chrysene</b>	<b>4.89</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>1.77</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
206-44-0	<b>Fluoranthene</b>	<b>9.86</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
86-73-7	Fluorene	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>5.58</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
85-01-8	<b>Phenanthrene</b>	<b>2.99</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
129-00-0	<b>Pyrene</b>	<b>6.81</b>		mg/kg dry	0.494	0.987	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:11	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.8 %		20-108							



### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	47.6 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	48.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.4 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	<b>4,4'-DDD</b>	<b>7.89</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
72-55-9	<b>4,4'-DDE</b>	<b>16.8</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
50-29-3	<b>4,4'-DDT</b>	<b>43.2</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
309-00-2	Aldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
5103-71-9	<b>alpha-Chlordane</b>	<b>52.2</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 13:09	03/17/2022 00:09	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
60-57-1	<b>Dieldrin</b>	<b>20.8</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 13:09	03/17/2022 00:09	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
72-20-8	Endrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:09	03/17/2022 00:09	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>								<b>Acceptance Range</b>
2051-24-3	Surrogate: Decachlorobiphenyl	92.2 %								30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	38.4 %								30-150



### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 13:09	03/15/2022 21:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	03/14/2022 13:09	03/15/2022 21:04	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	67.0 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	89.5 %			30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.6	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 17:50	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	10.2 %	S-04		21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	3.55		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-39-3	Barium	191		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-43-9	Cadmium	0.389		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT



### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	26.0		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-50-8	Copper	47.8		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7439-92-1	Lead	453		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7439-96-5	Manganese	568		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-02-0	Nickel	24.3		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT
7440-66-6	Zinc	249		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:48	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.11		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 14:51	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.0		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.599	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

**Client Sample ID:** SB-10 (0-2 ft)

**York Sample ID:** 22C0451-13

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 9:50 am

03/08/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	83.4		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 10:15 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/11/2022 12:30	03/12/2022 04:48	BMT
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 10:15 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.023</b>	B	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.0099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 04:48	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 04:48	BMT
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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132-02 89th AVENUE  
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RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 10:15 am	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
208-96-8	<b>Acenaphthylene</b>	<b>1.04</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
120-12-7	<b>Anthracene</b>	<b>0.656</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.572</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.826</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.731</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>1.08</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.564</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
218-01-9	<b>Chrysene</b>	<b>0.572</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.310</b>	J	mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
206-44-0	<b>Fluoranthene</b>	<b>1.20</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.11</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
85-01-8	<b>Phenanthrene</b>	<b>0.636</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
129-00-0	<b>Pyrene</b>	<b>0.830</b>		mg/kg dry	0.249	0.497	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 16:41	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.8 %		20-108							





### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 10:15 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	57.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	69.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.0 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
50-29-3	<b>4,4'-DDT</b>	<b>17.4</b>		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
309-00-2	Aldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 08:11	03/15/2022 17:54	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 08:11	03/15/2022 17:54	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
72-20-8	Endrin	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.61	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 17:54	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	159 %	S-GC		30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %			30-150					



### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 10:15 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	03/14/2022 08:11	03/15/2022 06:04	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	73.0 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	94.5 %			30-140

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.7	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 18:00	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	17.8 %	S-04		21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.51		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-39-3	Barium	293		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-43-9	Cadmium	1.25		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT



### Sample Information

**Client Sample ID:** SB-11 (0-2 ft)

**York Sample ID:** 22C0451-14

York Project (SDG) No.

Client Project ID

Matrix

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22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 10:15 am

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	37.5		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-50-8	Copper	34.2		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7439-92-1	Lead	1520		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7439-96-5	Manganese	342		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-02-0	Nickel	23.8		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT
7440-66-6	Zinc	416		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:51	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.385		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 15:00	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.600	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	37.5		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.600	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



### Sample Information

<b>Client Sample ID:</b> SB-11 (0-2 ft)					<b>York Sample ID:</b> 22C0451-14
<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 10:15 am	<u>Date Received</u> 03/08/2022	

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/14/2022 16:38	03/14/2022 19:47	MEW

### Sample Information

<b>Client Sample ID:</b> FD-01					<b>York Sample ID:</b> 22C0451-15
<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:01 am	<u>Date Received</u> 03/08/2022	

#### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.066	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
67-64-1	Acetone	0.011	J	mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT



### Sample Information

**Client Sample ID:** FD-01

**York Sample ID:** 22C0451-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 12:01 am

03/08/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
75-09-2	<b>Methylene chloride</b>	<b>0.014</b>	B	mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
91-20-3	Naphthalene	ND		mg/kg dry	0.0033	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 12:30	03/12/2022 05:16	BMT
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 12:30	03/12/2022 05:16	BMT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	96.1 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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### Sample Information

**Client Sample ID:** FD-01

**York Sample ID:** 22C0451-15

<u>York Project (SDG) No.</u> 22C0451	<u>Client Project ID</u> 2221378 Woodworth Ave.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:01 am	<u>Date Received</u> 03/08/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.931</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
120-12-7	<b>Anthracene</b>	<b>0.562</b>	J	mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.724</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>1.01</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.839</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>1.01</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>1.04</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
218-01-9	<b>Chrysene</b>	<b>0.728</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.452</b>	J	mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
206-44-0	<b>Fluoranthene</b>	<b>1.35</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
86-73-7	Fluorene	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.01</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
85-01-8	<b>Phenanthrene</b>	<b>0.526</b>	J	mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
108-95-2	Phenol	ND		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
129-00-0	<b>Pyrene</b>	<b>1.12</b>		mg/kg dry	0.289	0.577	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:05	03/15/2022 15:36	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	32.6 %		20-108							



### Sample Information

**Client Sample ID:** FD-01

**York Sample ID:** 22C0451-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 12:01 am

03/08/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	33.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	59.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	36.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	%	S-01		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	44.4 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
72-55-9	4,4'-DDE	7.61		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
50-29-3	4,4'-DDT	19.6		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
309-00-2	Aldrin	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
5103-71-9	alpha-Chlordane	75.2		ug/kg dry	1.64	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/14/2022 08:11	03/17/2022 00:26	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
60-57-1	Dieldrin	11.0		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/14/2022 08:11	03/17/2022 00:26	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
72-20-8	Endrin	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 08:11	03/17/2022 00:26	CM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

2051-24-3	Surrogate: Decachlorobiphenyl	130 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	39.4 %	30-150



### Sample Information

**Client Sample ID:** FD-01

**York Sample ID:** 22C0451-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 12:01 am

03/08/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/14/2022 08:11	03/15/2022 06:18	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0235	1	EPA 8082A Certifications:	03/14/2022 08:11	03/15/2022 06:18	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	98.0 %	30-140							

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	27.7	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 13:10	03/15/2022 18:11	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	38.8 %	21-150							

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.16		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-39-3	Barium	719		mg/kg dry	3.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.071	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-43-9	Cadmium	2.06		mg/kg dry	0.426	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT





### Sample Information

**Client Sample ID:** FD-01

**York Sample ID:** 22C0451-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0451

2221378 Woodworth Ave.

Soil

March 8, 2022 12:01 am

03/08/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	22.8		mg/kg dry	0.710	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-50-8	Copper	64.9		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7439-92-1	Lead	2000		mg/kg dry	0.710	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7439-96-5	Manganese	650		mg/kg dry	0.710	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-02-0	Nickel	24.1		mg/kg dry	1.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7782-49-2	Selenium	ND		mg/kg dry	3.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-22-4	Silver	ND		mg/kg dry	0.710	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT
7440-66-6	Zinc	962		mg/kg dry	3.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/14/2022 22:00	03/15/2022 18:53	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.326		mg/kg dry	0.0426	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2022 10:21	03/15/2022 15:09	K T

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.710	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/14/2022 14:31	03/14/2022 21:22	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.8		mg/kg	0.500	1	Calculation Certifications:	03/15/2022 16:48	03/16/2022 18:46	PAM

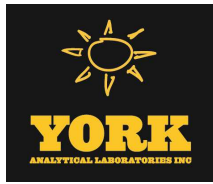
**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.710	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:27	03/15/2022 14:10	TJA



Sample Information

Client Sample ID: FD-01

York Sample ID: 22C0451-15

York Project (SDG) No. 22C0451

Client Project ID 2221378 Woodworth Ave.

Matrix Soil

Collection Date/Time March 8, 2022 12:01 am

Date Received 03/08/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	70.4		%	0.100	1	SM 2540G	03/14/2022 16:38	03/14/2022 19:47	MEW
							Certifications:	CTDOH		



### Analytical Batch Summary

**Batch ID:** BC21819                      **Preparation Method:** EPA 5030B                      **Prepared By:** CLG

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-11	Trip Blank	03/08/22
BC21819-BLK1	Blank	03/09/22
BC21819-BS1	LCS	03/09/22
BC21819-BSD1	LCS Dup	03/09/22

**Batch ID:** BC22006                      **Preparation Method:** EPA 5035A                      **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/11/22
22C0451-02	SB-02 (0-2 ft)	03/11/22
22C0451-03	SB-03 (0-2 ft)	03/11/22
22C0451-04	SB-04 (0-2 ft)	03/11/22
22C0451-05	SB-04 (2-4 ft)	03/11/22
22C0451-06	SB-05 (0-2 ft)	03/11/22
22C0451-07	SB-06 (0-2 ft)	03/11/22
22C0451-08	SB-07 (2-4 ft)	03/11/22
22C0451-09	SB-08 (0-2 ft)	03/11/22
22C0451-10	SB-08 (2-4 ft)	03/11/22
22C0451-12	SB-09 (0-2 ft)	03/11/22
22C0451-13	SB-10 (0-2 ft)	03/11/22
22C0451-14	SB-11 (0-2 ft)	03/11/22
22C0451-15	FD-01	03/11/22
BC22006-BLK1	Blank	03/11/22
BC22006-BLK2	Blank	03/11/22
BC22006-BS1	LCS	03/11/22
BC22006-BSD1	LCS Dup	03/11/22

**Batch ID:** BC22102                      **Preparation Method:** EPA 3550C                      **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
22C0451-15	FD-01	03/14/22
BC22102-BLK1	Blank	03/14/22
BC22102-BLK2	Blank	03/14/22
BC22102-BS1	LCS	03/14/22
BC22102-BS2	LCS	03/14/22

**Batch ID:** BC22116                      **Preparation Method:** EPA SW846-3060                      **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22



22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
BC22116-BLK1	Blank	03/14/22
BC22116-DUP1	Duplicate	03/14/22
BC22116-MS1	Matrix Spike	03/14/22
BC22116-SRM1	Reference	03/14/22

**Batch ID:** BC22138      **Preparation Method:** EPA 3546 SVOA      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-04RE1	SB-04 (0-2 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
BC22138-BLK1	Blank	03/14/22
BC22138-BS1	LCS	03/14/22
BC22138-MS1	Matrix Spike	03/14/22
BC22138-MSD1	Matrix Spike Dup	03/14/22

**Batch ID:** BC22139      **Preparation Method:** EPA 3550C      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22



22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
BC22139-BLK1	Blank	03/14/22
BC22139-BLK2	Blank	03/14/22
BC22139-BS1	LCS	03/14/22
BC22139-BS2	LCS	03/14/22

**Batch ID:** BC22140      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
BC22140-BLK1	Blank	03/14/22
BC22140-BS1	LCS	03/14/22
BC22140-MS1	Matrix Spike	03/14/22
BC22140-MSD1	Matrix Spike Dup	03/14/22

**Batch ID:** BC22157      **Preparation Method:** EPA SW846-3060      **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
BC22157-BLK1	Blank	03/14/22
BC22157-DUP1	Duplicate	03/14/22
BC22157-MS1	Matrix Spike	03/14/22
BC22157-SRM1	Reference	03/14/22



**Batch ID:** BC22158                      **Preparation Method:** % Solids Prep                      **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
BC22158-DUP1	Duplicate	03/14/22

**Batch ID:** BC22168                      **Preparation Method:** % Solids Prep                      **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
BC22168-DUP1	Duplicate	03/14/22

**Batch ID:** BC22180                      **Preparation Method:** EPA 3050B                      **Prepared By:** S\_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/14/22
22C0451-02	SB-02 (0-2 ft)	03/14/22
22C0451-03	SB-03 (0-2 ft)	03/14/22
22C0451-04	SB-04 (0-2 ft)	03/14/22
22C0451-05	SB-04 (2-4 ft)	03/14/22
22C0451-06	SB-05 (0-2 ft)	03/14/22
22C0451-07	SB-06 (0-2 ft)	03/14/22
22C0451-08	SB-07 (2-4 ft)	03/14/22
BC22180-BLK1	Blank	03/14/22
BC22180-DUP1	Duplicate	03/14/22
BC22180-MS1	Matrix Spike	03/14/22
BC22180-PS1	Post Spike	03/14/22
BC22180-SRM1	Reference	03/14/22

**Batch ID:** BC22184                      **Preparation Method:** EPA 3050B                      **Prepared By:** S\_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-09	SB-08 (0-2 ft)	03/14/22
22C0451-10	SB-08 (2-4 ft)	03/14/22
22C0451-12	SB-09 (0-2 ft)	03/14/22
22C0451-13	SB-10 (0-2 ft)	03/14/22



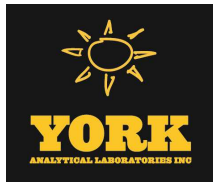
22C0451-14	SB-11 (0-2 ft)	03/14/22
22C0451-15	FD-01	03/14/22
BC22184-BLK1	Blank	03/14/22
BC22184-DUP1	Duplicate	03/14/22
BC22184-MS1	Matrix Spike	03/14/22
BC22184-PS1	Post Spike	03/14/22
BC22184-SRM1	Reference	03/14/22

**Batch ID:** BC22193      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/15/22
22C0451-02	SB-02 (0-2 ft)	03/15/22
22C0451-03	SB-03 (0-2 ft)	03/15/22
22C0451-04	SB-04 (0-2 ft)	03/15/22
22C0451-05	SB-04 (2-4 ft)	03/15/22
22C0451-06	SB-05 (0-2 ft)	03/15/22
22C0451-07	SB-06 (0-2 ft)	03/15/22
22C0451-08	SB-07 (2-4 ft)	03/15/22
22C0451-09	SB-08 (0-2 ft)	03/15/22
22C0451-10	SB-08 (2-4 ft)	03/15/22
22C0451-12	SB-09 (0-2 ft)	03/15/22
22C0451-13	SB-10 (0-2 ft)	03/15/22
22C0451-14	SB-11 (0-2 ft)	03/15/22
22C0451-15	FD-01	03/15/22
BC22193-BLK1	Blank	03/15/22
BC22193-DUP1	Duplicate	03/15/22
BC22193-MS1	Matrix Spike	03/15/22
BC22193-SRM1	Reference	03/15/22

**Batch ID:** BC22209      **Preparation Method:** EPA 7473 soil      **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/15/22
22C0451-02	SB-02 (0-2 ft)	03/15/22
22C0451-03	SB-03 (0-2 ft)	03/15/22
22C0451-04	SB-04 (0-2 ft)	03/15/22
22C0451-05	SB-04 (2-4 ft)	03/15/22
22C0451-06	SB-05 (0-2 ft)	03/15/22
22C0451-07	SB-06 (0-2 ft)	03/15/22
22C0451-08	SB-07 (2-4 ft)	03/15/22
22C0451-09	SB-08 (0-2 ft)	03/15/22
22C0451-10	SB-08 (2-4 ft)	03/15/22
22C0451-12	SB-09 (0-2 ft)	03/15/22
22C0451-13	SB-10 (0-2 ft)	03/15/22
22C0451-14	SB-11 (0-2 ft)	03/15/22
22C0451-15	FD-01	03/15/22
BC22209-BLK1	Blank	03/15/22
BC22209-DUP1	Duplicate	03/15/22
BC22209-MS1	Matrix Spike	03/15/22
BC22209-SRM1	Reference	03/15/22



**Batch ID:** BC22264

**Preparation Method:** Analysis Preparation

**Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0451-01	SB-01 (0-2 ft)	03/15/22
22C0451-02	SB-02 (0-2 ft)	03/15/22
22C0451-03	SB-03 (0-2 ft)	03/15/22
22C0451-04	SB-04 (0-2 ft)	03/15/22
22C0451-05	SB-04 (2-4 ft)	03/15/22
22C0451-06	SB-05 (0-2 ft)	03/15/22
22C0451-07	SB-06 (0-2 ft)	03/15/22
22C0451-08	SB-07 (2-4 ft)	03/15/22
22C0451-09	SB-08 (0-2 ft)	03/15/22
22C0451-10	SB-08 (2-4 ft)	03/15/22
22C0451-12	SB-09 (0-2 ft)	03/15/22
22C0451-13	SB-10 (0-2 ft)	03/15/22
22C0451-14	SB-11 (0-2 ft)	03/15/22
22C0451-15	FD-01	03/15/22





**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21819 - EPA 5030B**

**Blank (BC21819-BLK1)**

Prepared & Analyzed: 03/09/2022

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.15</i>		<i>"</i>	<i>10.0</i>		<i>91.5</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.43</i>		<i>"</i>	<i>10.0</i>		<i>94.3</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC21819 - EPA 5030B</b>											
<b>LCS (BC21819-BS1)</b>											
Prepared & Analyzed: 03/09/2022											
1,1,1-Trichloroethane	10		ug/L	10.0		104	78-136				
1,1-Dichloroethane	10		"	10.0		101	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,4-Trimethylbenzene	8.5		"	10.0		85.2	82-132				
1,2-Dichlorobenzene	8.2		"	10.0		82.1	79-123				
1,2-Dichloroethane	9.8		"	10.0		98.0	73-132				
1,3,5-Trimethylbenzene	8.6		"	10.0		86.1	80-131				
1,3-Dichlorobenzene	8.3		"	10.0		83.1	86-122	Low Bias			
1,4-Dichlorobenzene	8.4		"	10.0		84.2	85-124	Low Bias			
1,4-Dioxane	160		"	210		77.7	10-349				
2-Butanone	9.8		"	10.0		97.6	49-152				
Acetone	5.8		"	10.0		57.5	14-150				
Benzene	10		"	10.0		104	85-126				
Carbon tetrachloride	11		"	10.0		108	77-141				
Chlorobenzene	9.2		"	10.0		92.0	88-120				
Chloroform	10		"	10.0		101	82-128				
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129				
Ethyl Benzene	9.1		"	10.0		91.2	80-131				
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		93.1	76-135				
Methylene chloride	9.6		"	10.0		95.9	55-137				
Naphthalene	7.7		"	10.0		77.4	70-147				
n-Butylbenzene	8.8		"	10.0		88.0	79-132				
n-Propylbenzene	8.9		"	10.0		88.6	78-133				
o-Xylene	9.0		"	10.0		89.6	78-130				
p- & m- Xylenes	19		"	20.0		95.4	77-133				
sec-Butylbenzene	8.9		"	10.0		89.3	79-137				
tert-Butylbenzene	8.7		"	10.0		87.3	77-138				
Tetrachloroethylene	5.2		"	10.0		51.7	82-131	Low Bias			
Toluene	9.0		"	10.0		90.3	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
Trichloroethylene	8.3		"	10.0		83.0	82-128				
Vinyl Chloride	11		"	10.0		107	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.37</i>		<i>"</i>	<i>10.0</i>		<i>93.7</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.65</i>		<i>"</i>	<i>10.0</i>		<i>96.5</i>	<i>79-122</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21819 - EPA 5030B**

**LCS Dup (BC21819-BSD1)**

Prepared & Analyzed: 03/09/2022

1,1,1-Trichloroethane	10		ug/L	10.0		104	78-136		0.0959	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		0.495	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		1.01	30	
1,2,4-Trimethylbenzene	8.2		"	10.0		81.7	82-132	Low Bias	4.19	30	
1,2-Dichlorobenzene	8.2		"	10.0		82.5	79-123		0.486	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		7.37	30	
1,3,5-Trimethylbenzene	8.2		"	10.0		81.9	80-131		5.00	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.8	86-122	Low Bias	1.58	30	
1,4-Dichlorobenzene	8.3		"	10.0		82.9	85-124	Low Bias	1.56	30	
1,4-Dioxane	150		"	210		73.4	10-349		5.65	30	
2-Butanone	11		"	10.0		106	49-152		8.16	30	
Acetone	6.6		"	10.0		66.0	14-150		13.8	30	
Benzene	10		"	10.0		104	85-126		0.192	30	
Carbon tetrachloride	11		"	10.0		106	77-141		1.40	30	
Chlorobenzene	9.2		"	10.0		92.1	88-120		0.109	30	
Chloroform	10		"	10.0		103	82-128		2.15	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		1.08	30	
Ethyl Benzene	8.9		"	10.0		89.3	80-131		2.11	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135		12.4	30	
Methylene chloride	10		"	10.0		100	55-137		4.49	30	
Naphthalene	8.5		"	10.0		85.3	70-147		9.71	30	
n-Butylbenzene	8.3		"	10.0		83.2	79-132		5.61	30	
n-Propylbenzene	8.3		"	10.0		83.3	78-133		6.17	30	
o-Xylene	8.9		"	10.0		88.8	78-130		0.897	30	
p- & m- Xylenes	19		"	20.0		93.7	77-133		1.85	30	
sec-Butylbenzene	8.4		"	10.0		84.4	79-137		5.64	30	
tert-Butylbenzene	8.3		"	10.0		83.3	77-138		4.69	30	
Tetrachloroethylene	5.0		"	10.0		50.1	82-131	Low Bias	3.14	30	
Toluene	8.8		"	10.0		87.9	80-127		2.69	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		0.577	30	
Trichloroethylene	8.2		"	10.0		81.8	82-128	Low Bias	1.46	30	
Vinyl Chloride	11		"	10.0		106	58-145		1.03	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.18</i>		<i>"</i>	<i>10.0</i>		<i>91.8</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>		<i>94.9</i>	<i>79-122</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22006 - EPA 5035A**

**Blank (BC22006-BLK1)**

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	0.037	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	49.3		ug/L	50.0		98.6	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	48.0		"	50.0		95.9	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	52.2		"	50.0		104	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BC22006 - EPA 5035A**

**Blank (BC22006-BLK2)**

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	ND	0.50	mg/kg wet										
1,1-Dichloroethane	ND	0.50	"										
1,1-Dichloroethylene	ND	0.50	"										
1,2,4-Trimethylbenzene	ND	0.50	"										
1,2-Dichlorobenzene	ND	0.50	"										
1,2-Dichloroethane	ND	0.50	"										
1,3,5-Trimethylbenzene	ND	0.50	"										
1,3-Dichlorobenzene	ND	0.50	"										
1,4-Dichlorobenzene	ND	0.50	"										
1,4-Dioxane	ND	10	"										
2-Butanone	ND	0.50	"										
Acetone	ND	1.0	"										
Benzene	ND	0.50	"										
Carbon tetrachloride	ND	0.50	"										
Chlorobenzene	ND	0.50	"										
Chloroform	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylene chloride	5.5	1.0	"										
Naphthalene	ND	1.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
sec-Butylbenzene	ND	0.50	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	ND	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	49.4		ug/L	50.0		98.9	77-125						
<i>Surrogate: SURR: Toluene-d8</i>	47.9		"	50.0		95.9	85-120						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	52.2		"	50.0		104	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22006 - EPA 5035A

LCS (BC22006-BS1)

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	52		ug/L	50.0		103	71-137				
1,1-Dichloroethane	47		"	50.0		93.7	75-130				
1,1-Dichloroethylene	46		"	50.0		91.3	64-137				
1,2,4-Trimethylbenzene	43		"	50.0		85.2	84-125				
1,2-Dichlorobenzene	42		"	50.0		83.0	85-122	Low Bias			
1,2-Dichloroethane	46		"	50.0		92.4	71-133				
1,3,5-Trimethylbenzene	43		"	50.0		85.2	82-126				
1,3-Dichlorobenzene	41		"	50.0		82.7	84-124	Low Bias			
1,4-Dichlorobenzene	41		"	50.0		82.8	84-124	Low Bias			
1,4-Dioxane	1100		"	1050		100	10-228				
2-Butanone	40		"	50.0		79.9	58-147				
Acetone	30		"	50.0		59.9	36-155				
Benzene	46		"	50.0		91.7	77-127				
Carbon tetrachloride	50		"	50.0		101	66-143				
Chlorobenzene	45		"	50.0		89.7	86-120				
Chloroform	46		"	50.0		92.1	76-131				
cis-1,2-Dichloroethylene	46		"	50.0		92.5	74-132				
Ethyl Benzene	44		"	50.0		88.0	84-125				
Methyl tert-butyl ether (MTBE)	58		"	50.0		117	74-131				
Methylene chloride	62		"	50.0		124	57-141				
Naphthalene	42		"	50.0		84.0	86-141	Low Bias			
n-Butylbenzene	43		"	50.0		86.3	80-130				
n-Propylbenzene	43		"	50.0		86.5	74-136				
o-Xylene	45		"	50.0		90.0	83-123				
p- & m- Xylenes	88		"	100		87.8	82-128				
sec-Butylbenzene	43		"	50.0		85.6	83-125				
tert-Butylbenzene	42		"	50.0		85.0	80-127				
Tetrachloroethylene	35		"	50.0		70.9	80-129	Low Bias			
Toluene	43		"	50.0		86.7	85-121				
trans-1,2-Dichloroethylene	47		"	50.0		94.5	72-132				
Trichloroethylene	44		"	50.0		87.3	84-123				
Vinyl Chloride	49		"	50.0		97.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.2		"	50.0		96.3	77-125				
Surrogate: SURR: Toluene-d8	48.2		"	50.0		96.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22006 - EPA 5035A

LCS Dup (BC22006-BSD1)

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	52		ug/L	50.0		104	71-137		0.581	30	
1,1-Dichloroethane	47		"	50.0		94.2	75-130		0.532	30	
1,1-Dichloroethylene	46		"	50.0		91.8	64-137		0.524	30	
1,2,4-Trimethylbenzene	41		"	50.0		82.9	84-125	Low Bias	2.71	30	
1,2-Dichlorobenzene	41		"	50.0		82.7	85-122	Low Bias	0.362	30	
1,2-Dichloroethane	48		"	50.0		95.2	71-133		2.94	30	
1,3,5-Trimethylbenzene	41		"	50.0		81.6	82-126	Low Bias	4.27	30	
1,3-Dichlorobenzene	40		"	50.0		80.8	84-124	Low Bias	2.27	30	
1,4-Dichlorobenzene	41		"	50.0		81.8	84-124	Low Bias	1.19	30	
1,4-Dioxane	1100		"	1050		105	10-228		4.14	30	
2-Butanone	45		"	50.0		89.5	58-147		11.3	30	
Acetone	33		"	50.0		66.3	36-155		10.1	30	
Benzene	46		"	50.0		92.9	77-127		1.34	30	
Carbon tetrachloride	51		"	50.0		101	66-143		0.356	30	
Chlorobenzene	45		"	50.0		89.6	86-120		0.201	30	
Chloroform	47		"	50.0		93.8	76-131		1.87	30	
cis-1,2-Dichloroethylene	47		"	50.0		93.1	74-132		0.668	30	
Ethyl Benzene	43		"	50.0		86.5	84-125		1.74	30	
Methyl tert-butyl ether (MTBE)	62		"	50.0		125	74-131		6.30	30	
Methylene chloride	66		"	50.0		131	57-141		5.58	30	
Naphthalene	43		"	50.0		86.7	86-141		3.16	30	
n-Butylbenzene	42		"	50.0		84.0	80-130		2.73	30	
n-Propylbenzene	42		"	50.0		83.5	74-136		3.48	30	
o-Xylene	44		"	50.0		88.6	83-123		1.57	30	
p- & m- Xylenes	87		"	100		86.6	82-128		1.34	30	
sec-Butylbenzene	41		"	50.0		81.6	83-125	Low Bias	4.78	30	
tert-Butylbenzene	41		"	50.0		81.8	80-127		3.81	30	
Tetrachloroethylene	35		"	50.0		69.7	80-129	Low Bias	1.65	30	
Toluene	43		"	50.0		85.8	85-121		1.07	30	
trans-1,2-Dichloroethylene	48		"	50.0		95.5	72-132		1.03	30	
Trichloroethylene	43		"	50.0		85.1	84-123		2.53	30	
Vinyl Chloride	49		"	50.0		97.7	52-130		0.0820	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.6		"	50.0		101	77-125				
Surrogate: SURRE: Toluene-d8	47.6		"	50.0		95.3	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22138 - EPA 3546 SVOA

Blank (BC22138-BLK1)

Prepared: 03/14/2022 Analyzed: 03/15/2022

2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	1.46		"	1.66		88.0	20-108				
Surrogate: SURR: Phenol-d5	1.37		"	1.66		82.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.811		"	0.831		97.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.642		"	0.831		77.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.44		"	1.66		86.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.696		"	0.831		83.8	24-116				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22138 - EPA 3546 SVOA

LCS (BC22138-BS1)

Prepared: 03/14/2022 Analyzed: 03/15/2022

2-Methylphenol	0.527	0.0416	mg/kg wet	0.831		63.5	10-146				
3- & 4-Methylphenols	0.461	0.0416	"	0.831		55.5	20-109				
Acenaphthene	0.530	0.0416	"	0.831		63.8	17-124				
Acenaphthylene	0.517	0.0416	"	0.831		62.2	16-124				
Anthracene	0.548	0.0416	"	0.831		66.0	24-124				
Benzo(a)anthracene	0.531	0.0416	"	0.831		63.9	25-134				
Benzo(a)pyrene	0.521	0.0416	"	0.831		62.8	29-144				
Benzo(b)fluoranthene	0.568	0.0416	"	0.831		68.4	20-151				
Benzo(g,h,i)perylene	0.531	0.0416	"	0.831		63.9	10-153				
Benzo(k)fluoranthene	0.542	0.0416	"	0.831		65.3	10-148				
Chrysene	0.498	0.0416	"	0.831		59.9	24-116				
Dibenzo(a,h)anthracene	0.567	0.0416	"	0.831		68.3	17-147				
Dibenzofuran	0.519	0.0416	"	0.831		62.5	23-123				
Fluoranthene	0.532	0.0416	"	0.831		64.0	36-125				
Fluorene	0.524	0.0416	"	0.831		63.0	16-130				
Hexachlorobenzene	0.540	0.0416	"	0.831		65.0	10-129				
Indeno(1,2,3-cd)pyrene	0.604	0.0416	"	0.831		72.8	10-155				
Naphthalene	0.549	0.0416	"	0.831		66.0	20-121				
Pentachlorophenol	0.246	0.0416	"	0.831		29.6	10-143				
Phenanthrene	0.502	0.0416	"	0.831		60.5	24-123				
Phenol	0.576	0.0416	"	0.831		69.4	15-123				
Pyrene	0.498	0.0416	"	0.831		59.9	24-132				
Surrogate: SURR: 2-Fluorophenol	1.20		"	1.66		72.0	20-108				
Surrogate: SURR: Phenol-d5	1.09		"	1.66		65.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.707		"	0.831		85.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.546		"	0.831		65.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.43		"	1.66		86.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.580		"	0.831		69.8	24-116				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22138 - EPA 3546 SVOA**

<b>Matrix Spike (BC22138-MS1)</b>	<b>*Source sample: 22C0447-02 (Matrix Spike)</b>						<b>Prepared: 03/14/2022 Analyzed: 03/15/2022</b>				
2-Methylphenol	0.506	0.0912	mg/kg dry	0.912	ND	55.5	10-160				
3- & 4-Methylphenols	0.409	0.0912	"	0.912	ND	44.9	16-115				
Acenaphthene	0.656	0.0912	"	0.912	0.0770	63.5	13-133				
Acenaphthylene	0.611	0.0912	"	0.912	0.0749	58.8	25-125				
Anthracene	0.809	0.0912	"	0.912	0.237	62.8	27-128				
Benzo(a)anthracene	ND	0.0912	"	0.912	0.425	NR	20-147	Low Bias			
Benzo(a)pyrene	ND	0.0912	"	0.912	0.473	NR	18-153	Low Bias			
Benzo(b)fluoranthene	ND	0.0912	"	0.912	0.366	NR	10-163	Low Bias			
Benzo(g,h,i)perylene	0.850	0.0912	"	0.912	0.284	62.0	10-157				
Benzo(k)fluoranthene	ND	0.0912	"	0.912	0.320	NR	10-157	Low Bias			
Chrysene	ND	0.0912	"	0.912	0.403	NR	18-133	Low Bias			
Dibenzo(a,h)anthracene	0.720	0.0912	"	0.912	0.0894	69.2	10-146				
Dibenzofuran	0.600	0.0912	"	0.912	ND	65.8	26-134				
Fluoranthene	1.47	0.0912	"	0.912	0.752	79.1	10-155				
Fluorene	0.734	0.0912	"	0.912	0.129	66.4	12-150				
Hexachlorobenzene	0.572	0.0912	"	0.912	ND	62.7	16-142				
Indeno(1,2,3-cd)pyrene	0.982	0.0912	"	0.912	0.278	77.2	10-155				
Naphthalene	0.688	0.0912	"	0.912	0.114	63.0	15-132				
Pentachlorophenol	ND	0.0912	"	0.912	ND		10-160	Low Bias			
Phenanthrene	1.14	0.0912	"	0.912	0.582	61.3	10-151				
Phenol	0.338	0.0912	"	0.912	ND	37.1	11-124				
Pyrene	ND	0.0912	"	0.912	0.723	NR	13-148	Low Bias			
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>0.118</i>		<i>"</i>	<i>1.82</i>		<i>6.48</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>0.621</i>		<i>"</i>	<i>1.82</i>		<i>34.0</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.667</i>		<i>"</i>	<i>0.912</i>		<i>73.1</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.555</i>		<i>"</i>	<i>0.912</i>		<i>60.9</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>0.0211</i>		<i>"</i>	<i>1.82</i>		<i>1.16</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.00</i>		<i>"</i>	<i>0.912</i>			<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22138 - EPA 3546 SVOA</b>											
<b>Matrix Spike Dup (BC22138-MSD1)</b>	*Source sample: 22C0447-02 (Matrix Spike Dup)						Prepared: 03/14/2022 Analyzed: 03/15/2022				
2-Methylphenol	0.466	0.0912	mg/kg dry	0.912	ND	51.1	10-160		8.25	30	
3- & 4-Methylphenols	0.346	0.0912	"	0.912	ND	37.9	16-115		16.8	30	
Acenaphthene	0.648	0.0912	"	0.912	0.0770	62.6	13-133		1.34	30	
Acenaphthylene	0.596	0.0912	"	0.912	0.0749	57.1	25-125		2.54	30	
Anthracene	1.03	0.0912	"	0.912	0.237	86.8	27-128		23.8	30	
Benzo(a)anthracene	1.41	0.0912	"	0.912	0.425	108	20-147			30	
Benzo(a)pyrene	1.39	0.0912	"	0.912	0.473	100	18-153			30	
Benzo(b)fluoranthene	1.23	0.0912	"	0.912	0.366	94.4	10-163			30	
Benzo(g,h,i)perylene	1.11	0.0912	"	0.912	0.284	90.3	10-157		26.3	30	
Benzo(k)fluoranthene	1.16	0.0912	"	0.912	0.320	92.1	10-157			30	
Chrysene	1.44	0.0912	"	0.912	0.403	114	18-133			30	
Dibenzo(a,h)anthracene	0.851	0.0912	"	0.912	0.0894	83.6	10-146		16.7	30	
Dibenzofuran	0.582	0.0912	"	0.912	ND	63.8	26-134		3.08	30	
Fluoranthene	2.25	0.0912	"	0.912	0.752	164	10-155	High Bias	41.6	30	Non-dir.
Fluorene	0.836	0.0912	"	0.912	0.129	77.6	12-150		13.0	30	
Hexachlorobenzene	0.636	0.0912	"	0.912	ND	69.8	16-142		10.6	30	
Indeno(1,2,3-cd)pyrene	1.27	0.0912	"	0.912	0.278	109	10-155		25.8	30	
Naphthalene	0.634	0.0912	"	0.912	0.114	57.0	15-132		8.27	30	
Pentachlorophenol	ND	0.0912	"	0.912	ND		10-160	Low Bias		30	
Phenanthrene	1.95	0.0912	"	0.912	0.582	150	10-151		52.5	30	Non-dir.
Phenol	0.292	0.0912	"	0.912	ND	32.1	11-124		14.6	30	
Pyrene	2.26	0.0912	"	0.912	0.723	169	13-148	High Bias		30	
Surrogate: SURR: 2-Fluorophenol	0.103		"	1.82		5.64	20-108				
Surrogate: SURR: Phenol-d5	0.516		"	1.82		28.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.654		"	0.912		71.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.510		"	0.912		55.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.0241		"	1.82		1.32	19-110				
Surrogate: SURR: Terphenyl-d14	0.680		"	0.912		74.6	24-116				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22102 - EPA 3550C**

**Blank (BC22102-BLK1)**

Prepared & Analyzed: 03/14/2022

4,4'-DDD	ND	1.64	ug/kg wet								
4,4'-DDE	ND	1.64	"								
4,4'-DDT	ND	1.64	"								
Aldrin	ND	1.64	"								
alpha-BHC	ND	1.64	"								
alpha-Chlordane	ND	1.64	"								
beta-BHC	ND	1.64	"								
delta-BHC	ND	1.64	"								
Dieldrin	ND	1.64	"								
Endosulfan I	ND	1.64	"								
Endosulfan II	ND	1.64	"								
Endosulfan sulfate	ND	1.64	"								
Endrin	ND	1.64	"								
gamma-BHC (Lindane)	ND	1.64	"								
Heptachlor	ND	1.64	"								
<i>Surrogate: Decachlorobiphenyl</i>	56.1		"	66.4		84.5	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	43.2		"	66.4		65.0	30-150				

**LCS (BC22102-BS1)**

Prepared & Analyzed: 03/14/2022

4,4'-DDD	43.1	1.64	ug/kg wet	33.2		130	40-140				
4,4'-DDE	36.7	1.64	"	33.2		110	40-140				
4,4'-DDT	19.8	1.64	"	33.2		59.6	40-140				
Aldrin	44.0	1.64	"	33.2		132	40-140				
alpha-BHC	44.5	1.64	"	33.2		134	40-140				
alpha-Chlordane	41.9	1.64	"	33.2		126	40-140				
beta-BHC	40.4	1.64	"	33.2		122	40-140				
delta-BHC	39.1	1.64	"	33.2		118	40-140				
Dieldrin	41.5	1.64	"	33.2		125	40-140				
Endosulfan I	46.1	1.64	"	33.2		139	40-140				
Endosulfan II	39.5	1.64	"	33.2		119	40-140				
Endosulfan sulfate	34.3	1.64	"	33.2		103	40-140				
Endrin	37.1	1.64	"	33.2		112	40-140				
gamma-BHC (Lindane)	42.6	1.64	"	33.2		128	40-140				
Heptachlor	36.8	1.64	"	33.2		111	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	63.2		"	66.4		95.1	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	49.0		"	66.4		73.8	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22139 - EPA 3550C

Blank (BC22139-BLK1)

Prepared: 03/14/2022 Analyzed: 03/16/2022

4,4'-DDD	ND	1.64	ug/kg wet								
4,4'-DDE	ND	1.64	"								
4,4'-DDT	ND	1.64	"								
Aldrin	ND	1.64	"								
alpha-BHC	ND	1.64	"								
alpha-Chlordane	ND	1.64	"								
beta-BHC	ND	1.64	"								
delta-BHC	ND	1.64	"								
Dieldrin	ND	1.64	"								
Endosulfan I	ND	1.64	"								
Endosulfan II	ND	1.64	"								
Endosulfan sulfate	ND	1.64	"								
Endrin	ND	1.64	"								
gamma-BHC (Lindane)	ND	1.64	"								
Heptachlor	ND	1.64	"								

Surrogate: Decachlorobiphenyl

69.7

"

66.4

105

30-150

Surrogate: Tetrachloro-m-xylene

52.4

"

66.4

78.9

30-150

LCS (BC22139-BS1)

Prepared: 03/14/2022 Analyzed: 03/16/2022

4,4'-DDD	45.4	1.64	ug/kg wet	33.2		137	40-140				
4,4'-DDE	39.2	1.64	"	33.2		118	40-140				
4,4'-DDT	21.4	1.64	"	33.2		64.4	40-140				
Aldrin	49.2	1.64	"	33.2		148	40-140	High Bias			
alpha-BHC	52.1	1.64	"	33.2		157	40-140	High Bias			
alpha-Chlordane	46.5	1.64	"	33.2		140	40-140				
beta-BHC	46.2	1.64	"	33.2		139	40-140				
delta-BHC	45.8	1.64	"	33.2		138	40-140				
Dieldrin	45.8	1.64	"	33.2		138	40-140				
Endosulfan I	42.4	1.64	"	33.2		128	40-140				
Endosulfan II	43.9	1.64	"	33.2		132	40-140				
Endosulfan sulfate	38.3	1.64	"	33.2		115	40-140				
Endrin	37.5	1.64	"	33.2		113	40-140				
gamma-BHC (Lindane)	46.2	1.64	"	33.2		139	40-140				
Heptachlor	42.4	1.64	"	33.2		128	40-140				

Surrogate: Decachlorobiphenyl

71.0

"

66.4

107

30-150

Surrogate: Tetrachloro-m-xylene

57.4

"

66.4

86.4

30-150



**Organochlorine Pesticides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch Y2C1720 - BB22684**

**Performance Mix (Y2C1720-PEM1)**

Prepared & Analyzed: 03/16/2022

4,4'-DDD	13.2		ng/mL	0.00			0-200				
4,4'-DDE	1.28		"	0.00			0-200				
4,4'-DDT	332		"	200		166	0-200				
Endrin	161		"	100		161	0-200				

**Performance Mix (Y2C1720-PEM2)**

Prepared & Analyzed: 03/16/2022

4,4'-DDD	10.4		ng/mL	0.00			0-200				
4,4'-DDE	1.43		"	0.00			0-200				
4,4'-DDT	531		"	200		265	0-200				High Bias
Endrin	236		"	100		236	0-200				High Bias



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22102 - EPA 3550C**

**Blank (BC22102-BLK2)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								

Surrogate: Tetrachloro-m-xylene	0.0528		"	0.0664		79.5	30-140				
Surrogate: Decachlorobiphenyl	0.0608		"	0.0664		91.5	30-140				

**LCS (BC22102-BS2)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Aroclor 1016	0.350	0.0166	mg/kg wet	0.332		105	40-130				
Aroclor 1260	0.381	0.0166	"	0.332		115	40-130				

Surrogate: Tetrachloro-m-xylene	0.0605		"	0.0664		91.0	30-140				
Surrogate: Decachlorobiphenyl	0.0694		"	0.0664		104	30-140				

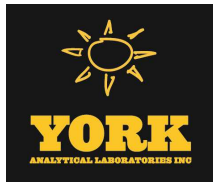
**Batch BC22139 - EPA 3550C**

**Blank (BC22139-BLK2)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								

Surrogate: Tetrachloro-m-xylene	0.0601		"	0.0664		90.5	30-140				
Surrogate: Decachlorobiphenyl	0.0738		"	0.0664		111	30-140				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22139 - EPA 3550C**

**LCS (BC22139-BS2)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Aroclor 1016	0.276	0.0166	mg/kg wet	0.332		83.2	40-130				
Aroclor 1260	0.288	0.0166	"	0.332		86.6	40-130				
Surrogate: Tetrachloro-m-xylene	0.0495		"	0.0664		74.5	30-140				
Surrogate: Decachlorobiphenyl	0.0508		"	0.0664		76.5	30-140				

**Batch Y2C1630 - BC22139**

**Aroclor Reference (Y2C1630-ARC1)**

Prepared & Analyzed: 03/15/2022

Surrogate: Tetrachloro-m-xylene	0.209		ug/mL	0.200		104					
Surrogate: Decachlorobiphenyl	0.272		"	0.200		136					





**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22140 - EPA 3550C/8151A</b>											
<b>Blank (BC22140-BLK1)</b>											
										Prepared: 03/14/2022 Analyzed: 03/15/2022	
2,4,5-TP (Silvex)	ND	19.9	ug/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	220		"	415		53.0	21-150				
<b>LCS (BC22140-BS1)</b>											
										Prepared: 03/14/2022 Analyzed: 03/15/2022	
2,4,5-TP (Silvex)	48.2	19.9	ug/kg wet	133		36.2	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	214		"	415		51.6	21-150				
<b>Matrix Spike (BC22140-MS1)</b>											
*Source sample: 22C0451-01 (SB-01 (0-2 ft))										Prepared: 03/14/2022 Analyzed: 03/15/2022	
2,4,5-TP (Silvex)	78.2	25.0	ug/kg dry	167	ND	46.9	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	300		"	521		57.6	21-150				
<b>Matrix Spike Dup (BC22140-MSD1)</b>											
*Source sample: 22C0451-01 (SB-01 (0-2 ft))										Prepared: 03/14/2022 Analyzed: 03/15/2022	
2,4,5-TP (Silvex)	73.0	25.0	ug/kg dry	167	ND	43.8	10-120		6.90	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	284		"	521		54.4	21-150				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22180 - EPA 3050B**

**Blank (BC22180-BLK1)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	0.553	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

**Duplicate (BC22180-DUP1)**

\*Source sample: 22C0513-03 (Duplicate)

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	3.48	1.65	mg/kg dry		4.43				23.9	35	
Barium	69.5	2.75	"		70.9				1.94	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	ND	0.329	"		0.418					35	
Chromium	16.5	0.549	"		20.7				22.9	35	
Copper	37.2	2.20	"		36.1				2.96	35	
Lead	65.1	0.549	"		57.4				12.6	35	
Manganese	275	0.549	"		277				0.977	35	
Nickel	17.6	1.10	"		16.9				4.02	35	
Selenium	ND	2.75	"		ND					35	
Silver	ND	0.549	"		ND					35	
Zinc	69.9	2.75	"		67.6				3.46	35	

**Matrix Spike (BC22180-MS1)**

\*Source sample: 22C0513-03 (Matrix Spike)

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	235	1.65	mg/kg dry	220	4.43	105	75-125				
Barium	323	2.75	"	220	70.9	115	75-125				
Beryllium	5.38	0.055	"	5.49	ND	97.9	75-125				
Cadmium	6.15	0.329	"	5.49	0.418	104	75-125				
Chromium	41.2	0.549	"	22.0	20.7	93.3	75-125				
Copper	65.2	2.20	"	27.5	36.1	106	75-125				
Lead	132	0.549	"	54.9	57.4	137	75-125	High Bias			
Manganese	342	0.549	"	54.9	277	119	75-125				
Nickel	81.2	1.10	"	54.9	16.9	117	75-125				
Selenium	186	2.75	"	220	ND	84.5	75-125				
Silver	6.33	0.549	"	5.49	ND	115	75-125				
Zinc	130	2.75	"	54.9	67.6	114	75-125				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22180 - EPA 3050B**

<b>Post Spike (BC22180-PS1)</b>	<b>*Source sample: 22C0513-03 (Post Spike)</b>					<b>Prepared: 03/14/2022 Analyzed: 03/15/2022</b>		
Arsenic	2.14		ug/mL	2.00	0.040	105	75-125	
Barium	2.94		"	2.00	0.646	115	75-125	
Beryllium	0.049		"	0.0500	-0.006	98.5	75-125	
Cadmium	0.055		"	0.0500	0.004	103	75-125	
Chromium	0.391		"	0.200	0.188	101	75-125	
Copper	0.644		"	0.250	0.329	126	75-125	High Bias
Lead	1.23		"	0.500	0.522	142	75-125	High Bias
Manganese	3.14		"	0.500	2.52	123	75-125	
Nickel	0.734		"	0.500	0.154	116	75-125	
Selenium	1.70		"	2.00	-0.026	85.0	75-125	
Silver	0.028		"	0.0500	0.003	50.3	75-125	Low Bias
Zinc	1.24		"	0.500	0.615	124	75-125	

<b>Reference (BC22180-SRM1)</b>						<b>Prepared: 03/14/2022 Analyzed: 03/15/2022</b>		
Arsenic	107	1.50	mg/kg wet	109		98.2	63.7-118.3	
Barium	399	2.50	"	364		110	70.3-117	
Beryllium	58.9	0.050	"	57.0		103	69.3-115.4	
Cadmium	48.5	0.300	"	48.7		99.6	67.8-112.9	
Chromium	177	0.500	"	173		102	65.3-120.8	
Copper	219	2.00	"	179		122	70.9-117.9	High Bias
Lead	108	0.500	"	101		106	69.1-126.7	
Manganese	406	0.500	"	370		110	72.2-119.2	
Nickel	69.6	1.00	"	52.2		133	63.4-117.8	High Bias
Selenium	67.2	2.50	"	104		64.6	58.5-122.1	
Silver	29.3	0.500	"	29.9		98.2	63.5-123.7	
Zinc	446	2.50	"	431		104	74.9-121.1	



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22184 - EPA 3050B**

**Blank (BC22184-BLK1)**

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

**Duplicate (BC22184-DUP1)**

\*Source sample: 22C0748-06 (Duplicate)

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	ND	1.74	mg/kg dry		ND						35
Barium	73.4	2.91	"		76.4				4.08		35
Beryllium	ND	0.058	"		ND						35
Cadmium	ND	0.349	"		ND						35
Chromium	44.0	0.581	"		45.9				4.16		35
Copper	36.3	2.33	"		37.8				4.09		35
Lead	135	0.581	"		139				3.00		35
Manganese	141	0.581	"		144				2.22		35
Nickel	270	1.16	"		282				4.44		35
Selenium	ND	2.91	"		ND						35
Silver	ND	0.581	"		ND						35
Zinc	64.6	2.91	"		66.5				2.90		35

**Matrix Spike (BC22184-MS1)**

\*Source sample: 22C0748-06 (Matrix Spike)

Prepared: 03/14/2022 Analyzed: 03/15/2022

Arsenic	241	1.74	mg/kg dry	233	ND	104	75-125				
Barium	330	2.91	"	233	76.4	109	75-125				
Beryllium	5.72	0.058	"	5.81	ND	98.4	75-125				
Cadmium	6.33	0.349	"	5.81	ND	109	75-125				
Chromium	57.6	0.581	"	23.3	45.9	50.7	75-125	Low Bias			
Copper	65.7	2.33	"	29.1	37.8	96.0	75-125				
Lead	147	0.581	"	58.1	139	14.4	75-125	Low Bias			
Manganese	239	0.581	"	58.1	144	164	75-125	High Bias			
Nickel	271	1.16	"	58.1	282	NR	75-125	Low Bias			
Selenium	194	2.91	"	233	ND	83.5	75-125				
Silver	6.56	0.581	"	5.81	ND	113	75-125				
Zinc	132	2.91	"	58.1	66.5	113	75-125				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22184 - EPA 3050B**

<b>Post Spike (BC22184-PS1)</b>	<b>*Source sample: 22C0748-06 (Post Spike)</b>						<b>Prepared: 03/14/2022 Analyzed: 03/15/2022</b>					
Arsenic	2.08		ug/mL	2.00	0.010	103	75-125					
Barium	2.91		"	2.00	0.657	113	75-125					
Beryllium	0.050		"	0.0500	-0.004	101	75-125					
Cadmium	0.053		"	0.0500	-0.001	105	75-125					
Chromium	0.597		"	0.200	0.394	101	75-125					
Copper	0.621		"	0.250	0.325	119	75-125					
Lead	1.73		"	0.500	1.19	108	75-125					
Manganese	1.81		"	0.500	1.24	114	75-125					
Nickel	2.91		"	0.500	2.43	96.0	75-125					
Selenium	1.72		"	2.00	-0.054	85.9	75-125					
Silver	0.026		"	0.0500	-0.0002	51.6	75-125	Low Bias				
Zinc	1.11		"	0.500	0.572	108	75-125					

<b>Reference (BC22184-SRM1)</b>	<b>Prepared: 03/14/2022 Analyzed: 03/15/2022</b>										
Arsenic	99.8	1.50	mg/kg wet	109		91.5	63.7-118.3				
Barium	367	2.50	"	364		101	70.3-117				
Beryllium	53.8	0.050	"	57.0		94.4	69.3-115.4				
Cadmium	43.6	0.300	"	48.7		89.6	67.8-112.9				
Chromium	164	0.500	"	173		94.7	65.3-120.8				
Copper	198	2.00	"	179		111	70.9-117.9				
Lead	99.9	0.500	"	101		98.9	69.1-126.7				
Manganese	377	0.500	"	370		102	72.2-119.2				
Nickel	62.5	1.00	"	52.2		120	63.4-117.8	High Bias			
Selenium	57.6	2.50	"	104		55.3	58.5-122.1	Low Bias			
Silver	27.2	0.500	"	29.9		91.0	63.5-123.7				
Zinc	408	2.50	"	431		94.6	74.9-121.1				



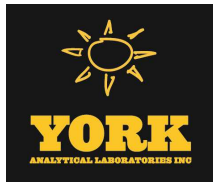
**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22209 - EPA 7473 soil</b>											
<b>Blank (BC22209-BLK1)</b>											
Mercury	ND	0.0300	mg/kg wet								Prepared & Analyzed: 03/15/2022
<b>Duplicate (BC22209-DUP1)</b>											
*Source sample: 22C0409-16 (Duplicate)											
Mercury	0.0716	0.0347	mg/kg dry		0.113				44.7	35	Non-dir.
<b>Matrix Spike (BC22209-MS1)</b>											
*Source sample: 22C0409-16 (Matrix Spike)											
Mercury	0.566		mg/kg	0.500	0.0975	93.6	75-125				Prepared & Analyzed: 03/15/2022
<b>Reference (BC22209-SRM1)</b>											
Mercury	30.290		mg/kg	27.2		111	59.9-140.1				Prepared & Analyzed: 03/15/2022



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22116 - EPA SW846-3060</b>											
<b>Blank (BC22116-BLK1)</b>											Prepared & Analyzed: 03/14/2022
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Duplicate (BC22116-DUP1)</b>											Prepared & Analyzed: 03/14/2022
*Source sample: 22C0451-03 (SB-03 (0-2 ft))											
Chromium, Hexavalent	ND	0.588	mg/kg dry		ND						35
<b>Matrix Spike (BC22116-MS1)</b>											Prepared & Analyzed: 03/14/2022
*Source sample: 22C0451-03 (SB-03 (0-2 ft))											
Chromium, Hexavalent	4.94	0.588	mg/kg dry	23.5	ND	21.0	75-125	Low Bias			
<b>Reference (BC22116-SRM1)</b>											Prepared & Analyzed: 03/14/2022
Chromium, Hexavalent	61.2		mg/L	109		56.2	30-169.7				
<b>Batch BC22157 - EPA SW846-3060</b>											
<b>Blank (BC22157-BLK1)</b>											Prepared & Analyzed: 03/14/2022
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Duplicate (BC22157-DUP1)</b>											Prepared & Analyzed: 03/14/2022
*Source sample: 22C0697-01 (Duplicate)											
Chromium, Hexavalent	ND	0.592	mg/kg dry		ND						35
<b>Matrix Spike (BC22157-MS1)</b>											Prepared & Analyzed: 03/14/2022
*Source sample: 22C0697-01 (Matrix Spike)											
Chromium, Hexavalent	23.7	0.592	mg/kg dry	23.7	ND	100	75-125				
<b>Reference (BC22157-SRM1)</b>											Prepared & Analyzed: 03/14/2022
Chromium, Hexavalent	96.1		mg/L	109		88.2	30-169.7				
<b>Batch BC22193 - Analysis Preparation Soil</b>											
<b>Blank (BC22193-BLK1)</b>											Prepared & Analyzed: 03/15/2022
Cyanide, total	ND	0.500	mg/kg wet								



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BC22193 - Analysis Preparation Soil</b>												
<b>Duplicate (BC22193-DUP1)</b>		*Source sample: 22C0509-11 (Duplicate)						Prepared & Analyzed: 03/15/2022				
Cyanide, total	ND	0.567	mg/kg dry		ND					15		
<b>Matrix Spike (BC22193-MS1)</b>		*Source sample: 22C0509-11 (Matrix Spike)						Prepared & Analyzed: 03/15/2022				
Cyanide, total	9.50	0.567	mg/kg dry	11.3	ND	83.8	79.6-107					
<b>Reference (BC22193-SRM1)</b>								Prepared & Analyzed: 03/15/2022				
Cyanide, total	89.0		ug/mL	86.8		103	41.82-157.83					





**Miscellaneous Physical Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

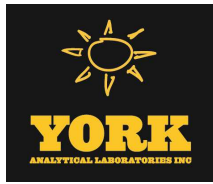
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22158 - % Solids Prep**

<b>Duplicate (BC22158-DUP1)</b>	*Source sample: 22C0529-08 (Duplicate)					Prepared & Analyzed: 03/14/2022					
% Solids	78.9	0.100	%		77.6				1.67	20	

**Batch BC22168 - % Solids Prep**

<b>Duplicate (BC22168-DUP1)</b>	*Source sample: 22C0466-01 (Duplicate)					Prepared & Analyzed: 03/14/2022					
% Solids	83.1	0.100	%		82.8				0.424	20	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0451-01	SB-01 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-02	SB-02 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-03	SB-03 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-04	SB-04 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-05	SB-04 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-06	SB-05 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-07	SB-06 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-08	SB-07 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-09	SB-08 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-10	SB-08 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C0451-12	SB-09 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-13	SB-10 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-14	SB-11 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0451-15	FD-01	40mL Vial with Stir Bar-Cool 4° C

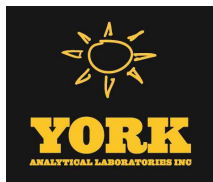


## Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-08	The recovery of this surrogate was outside of QC limits.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
PCB-I	PCB calculations are based upon the average response of 5 peaks for each Aroclor. For this sample an interference was present and the analyst was unable to use all 5 peaks.

## Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.



Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615    132-02 89th Ave Queens, NY 11418    clientservices@yorklab.com    www.yorklab.com    800-306-YORK    800-306-9675

YORK Project No. 220451    Page 1 of 2

**YOUR Information**

Company: Labella Associates    Invoice To: Labella Associates    YOUR Project Number: 2221378

Address: 4 British American Blvd    Address: Woodworth Ave.    YOUR Project Name: Woodworth Ave.

City: Latham, NY 12110    City: Woodworth Ave.

Phone: 518-266-7355    Phone: Account Payable

Contact: Braunfeld    Contact: Account Payable

E-mail: hfields@labellape.com    E-mail: Account Payable

Turn-Around Time:  RUSH - Next Day  
 RUSH - Two Day  
 RUSH - Three Day  
 Standard (5-7 Day)

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

Braunfeld

Samples Collected by: (print AND sign your name)

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description
<u>SB-01 (0-2 ft)</u>	<u>S</u>	<u>S - soil / solid</u>	<input checked="" type="checkbox"/> New York	<input checked="" type="checkbox"/> Summary Report	<u>Full List Part 375</u>	<u>4x40ml, 2x8oz.</u>
<u>SB-02 (0-2 ft)</u>	<u>S</u>	<u>GW - groundwater</u>	<input type="checkbox"/> New Jersey	<input type="checkbox"/> QA Report		
<u>SB-03 (0-2 ft)</u>	<u>S</u>	<u>DW - drinking water</u>	<input type="checkbox"/> Connecticut	<input type="checkbox"/> NY ASP A Package		
<u>SB-04 (0-2 ft)</u>	<u>S</u>	<u>WW - wastewater</u>	<input type="checkbox"/> Pennsylvania	<input type="checkbox"/> NY ASP B Package		
<u>SB-05 (0-2 ft)</u>	<u>S</u>	<u>O - Oil</u>	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:		
<u>SB-06 (0-2 ft)</u>	<u>S</u>					
<u>SB-07 (2-4 ft)</u>	<u>S</u>					
<u>SB-08 (0-2 ft)</u>	<u>S</u>					
<u>SB-08 (2-4 ft)</u>	<u>S</u>					

**Comments:**

Preservation: (check all that apply)

HCl  MeOH  HNO3  H2SO4  NaOH

ZnAc  Ascorbic Acid  Other: I.e

1. Samples Relinquished by / Company: Chic York 3-8-22 10:30    Date/Time: 3/8/22 10:30

2. Samples Relinquished by / Company: Chic York 3-8-22 14:48    Date/Time: 3/8/22 14:48

3. Samples Relinquished by / Company: Chic York 3-8-22 14:48    Date/Time: 3/8/22 14:48

4. Samples Relinquished by / Company: Chic York 3-8-22 14:48    Date/Time: 3/8/22 14:48

Temperature: 3.1 Degrees C



# Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK 800-306-9675

Page 2 of 2

YORK Project No. 220451

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company	Address	Company	Address	Company	Address	222 B78		RUSH - Next Day	
Address	Phone	Address	Phone	Address	Phone	YOUR Project Name		RUSH - Two Day	
Address	Contact	Address	Contact	Address	Contact	Woodworth Ave.		RUSH - Three Day	
Address	E-mail	Address	E-mail	Address	E-mail	YOUR PO#:		RUSH - Four Day	
Address		Address		Address		222 1378		Standard (5-7 Day)	X

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

<b>Matrix Codes</b>	<b>Samples From</b>	<b>Report / EDD Type (circle selections)</b>	<b>YORK Reg. Comp.</b>
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	NYSDEC
DW - drinking water	Connecticut	NY ASP A Package	Part 375
WW - wastewater	Pennsylvania	NY ASP B Package	
O - Oil   Other:	Other:	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
Trip Blank	QA/QC	8/7/00 15:00	8260 VOCs	2400
SB-09 (0-2ft)	S	3/6/02 0915	NYSDEC Full List Part 375	4x40ml, 2x8oz
SB-10 (0-2ft)	S	3/6/02 0950	" "	" "
SB-11 (0-2ft)	S	3/6/02 1015	" "	" "
FD-01	S	3/6/02 11XX	" "	" "

**Comments:**

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

Samples iced/chilled at time of lab pickup? circle Yes or No

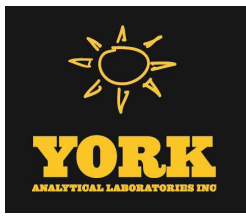
1. Samples Relinquished by / Company: *Chisel York 3-8-72 10:50*

2. Samples Relinquished by / Company: *Chisel York 3-8-72 14:48*

3. Samples Relinquished by / Company: *Chisel York 3-8-72 14:48*

4. Samples Relinquished by / Company: *Chisel York 3-8-72 14:48*

Temperature: *3.1* Degrees C



# Technical Report

prepared for:

**LaBella Associates (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Branson Fields**

Report Date: 03/18/2022

**Client Project ID: 2221378 Yonkers PIIESIA**

York Project (SDG) No.: 22C0564

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
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132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 03/18/2022  
Client Project ID: 2221378 Yonkers PIIESIA  
York Project (SDG) No.: 22C0564

**LaBella Associates (Poughkeepsie)**  
21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Branson Fields

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 09, 2022 and listed below. The project was identified as your project: **2221378 Yonkers PIIESIA**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0564-01	SB-09 (2-4 ft)	Soil	03/08/2022	03/09/2022
22C0564-02	SB-12 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-03	SB-13 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-04	SB-13 (2-4 ft)	Soil	03/08/2022	03/09/2022
22C0564-05	SB-14 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-06	SB-15 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-07	SB-15 (2-4 ft)	Soil	03/08/2022	03/09/2022
22C0564-08	SB-16 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-09	SB-17 (2-4 ft)	Soil	03/08/2022	03/09/2022
22C0564-10	SB-18 (0-2 ft)	Soil	03/08/2022	03/09/2022
22C0564-11	EB-01	Water	03/08/2022	03/09/2022



## **General Notes for York Project (SDG) No.: 22C0564**

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

**Approved By:** 

**Date:** 03/18/2022

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0564	2221378 Yonkers PIIESIA	Soil	March 8, 2022 9:20 am	03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
67-64-1	Acetone	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
75-09-2	<b>Methylene chloride</b>	<b>0.049</b>		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC



### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 9:20 am

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 16:53	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 16:53	OC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	109 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.5 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	100 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
120-12-7	Anthracene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.420</b>	<b>J</b>	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH



### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 9:20 am

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.382	J	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
205-99-2	Benzo(b)fluoranthene	0.351	J	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
207-08-9	Benzo(k)fluoranthene	0.347	J	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
218-01-9	Chrysene	0.389	J	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
206-44-0	Fluoranthene	0.867		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
86-73-7	Fluorene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.262	J	mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
108-95-2	Phenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH
129-00-0	Pyrene	0.690		mg/kg dry	0.242	0.482	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:19	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: SURR: 2-Fluorophenol	47.6 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	43.4 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	48.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	39.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	34.0 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	45.2 %	24-116

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 9:20 am	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00561		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
5103-71-9	alpha-Chlordane	0.0186		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/17/2022 23:55	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/17/2022 23:55	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/17/2022 23:55	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	112 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.0 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ



### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 9:20 am

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
11097-69-1	<b>Aroclor 1254</b>	<b>0.157</b>		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:17	BJ
1336-36-3	<b>* Total PCBs</b>	<b>0.157</b>		mg/kg dry	0.0192	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 04:17	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	89.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	109 %		30-120						

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 17:10	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	13.0 %	S-04	21-150						

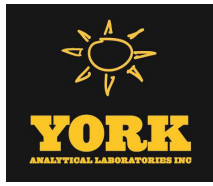
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	<b>Arsenic</b>	<b>8.51</b>		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-39-3	<b>Barium</b>	<b>431</b>		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-43-9	<b>Cadmium</b>	<b>1.25</b>		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-47-3	<b>Chromium</b>	<b>28.8</b>	B	mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-50-8	<b>Copper</b>	<b>49.2</b>		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7439-92-1	<b>Lead</b>	<b>1760</b>		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7439-96-5	<b>Manganese</b>	<b>365</b>		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT



### Sample Information

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 9:20 am

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	13.4		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-22-4	Silver	ND		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT
7440-66-6	Zinc	444		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:39	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.761		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:07	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.580	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.8		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.580	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA

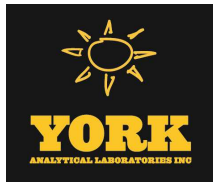
**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW



**Sample Information**

**Client Sample ID:** SB-09 (2-4 ft)

**York Sample ID:** 22C0564-01

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 9:20 am	<u>Date Received</u> 03/09/2022
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**Sample Information**

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 10:50 am	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC





### Sample Information

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 10:50 am

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
75-09-2	<b>Methylene chloride</b>	<b>0.038</b>		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:19	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 17:19	OC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.3 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.7 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH



### Sample Information

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 10:50 am

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0934</b>		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0849</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.0695</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.0449</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.0674</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
218-01-9	<b>Chrysene</b>	<b>0.0905</b>		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
206-44-0	<b>Fluoranthene</b>	<b>0.198</b>		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0555</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
85-01-8	<b>Phenanthrene</b>	<b>0.0814</b>	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH
129-00-0	<b>Pyrene</b>	<b>0.160</b>		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 23:50	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.3 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	42.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	40.5 %	21-113



### Sample Information

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 10:50 am

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	34.0 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	43.1 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
72-54-8	4,4'-DDD	0.00368		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
72-55-9	4,4'-DDE	0.00645		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
50-29-3	4,4'-DDT	0.0200		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
5103-71-9	alpha-Chlordane	0.0652		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 00:12	CM	
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
60-57-1	Dieldrin	0.00865		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 00:12	CM	
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:12	CM	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	112 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	27.8 %	S-GC		30-150						

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:



### Sample Information

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 10:50 am	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:31	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 04:31	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	85.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	114 %	30-120							

### Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 17:21	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	57.8 %	21-150							

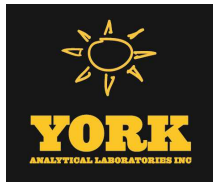
### Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.80		mg/kg dry	1.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-39-3	Barium	158		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-43-9	Cadmium	0.774		mg/kg dry	0.324	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-47-3	Chromium	41.0	B	mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT



**Sample Information**

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 10:50 am

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	57.8		mg/kg dry	2.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7439-92-1	Lead	537		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7439-96-5	Manganese	285		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-02-0	Nickel	21.1		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7782-49-2	Selenium	ND		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT
7440-66-6	Zinc	275		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:48	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.509		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:14	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.540	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	41.0		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.540	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



**Sample Information**

**Client Sample ID:** SB-12 (0-2 ft)

**York Sample ID:** 22C0564-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 10:50 am

03/09/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW

**Sample Information**

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:15 am

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
67-64-1	Acetone	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC



### Sample Information

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:15 am

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
75-09-2	<b>Methylene chloride</b>	<b>0.0062</b>	J	mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0029	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 17:46	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 17:46	OC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	98.5 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.1 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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### Sample Information

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:15 am	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.0754</b>	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
120-12-7	<b>Anthracene</b>	<b>0.146</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.484</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.451</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.330</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.182</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.362</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
218-01-9	<b>Chrysene</b>	<b>0.440</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.0724</b>	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
206-44-0	<b>Fluoranthene</b>	<b>0.859</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.248</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
85-01-8	<b>Phenanthrene</b>	<b>0.354</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
129-00-0	<b>Pyrene</b>	<b>0.647</b>		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/16/2022 00:20	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	74.0 %	20-108								





### Sample Information

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:15 am

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	71.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	50.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.7 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 00:29	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 00:29	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:29	CM
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>					
2051-24-3	Surrogate: Decachlorobiphenyl	98.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	88.2 %			30-150					



### Sample Information

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

York Project (SDG) No.

Client Project ID

Matrix

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22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:15 am

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:45	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 04:45	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	121 %	S-GC	30-120						

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 17:32	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	67.4 %		21-150						

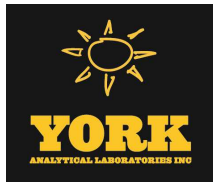
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	6.27		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-39-3	Barium	228		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT



**Sample Information**

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:15 am	<u>Date Received</u> 03/09/2022
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	25.2	B	mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-50-8	Copper	81.2		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7439-92-1	Lead	330		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7439-96-5	Manganese	206		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-02-0	Nickel	16.7		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT
7440-66-6	Zinc	129		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:50	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.500		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:23	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	25.2		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.561	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



### Sample Information

**Client Sample ID:** SB-13 (0-2 ft)

**York Sample ID:** 22C0564-03

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:15 am	<u>Date Received</u> 03/09/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW

### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:20 am	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
67-64-1	Acetone	0.0060	J	mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC



### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:20 am

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
75-09-2	<b>Methylene chloride</b>	<b>0.020</b>		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:12	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 18:12	OC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125
2037-26-5	Surrogate: SURR: Toluene-d8	98.3 %	85-120
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:20 am	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
120-12-7	Anthracene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
218-01-9	Chrysene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
86-73-7	Fluorene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
108-95-2	Phenol	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
129-00-0	Pyrene	ND		mg/kg dry	0.343	0.684	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 18:45	KH
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	%	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	21.0 %	S-08	23-114							



### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:20 am

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	%	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	%	S-08		21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	%	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	%	S-08		24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 00:46	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 00:46	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 00:46	CM

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	108 %	30-150
877-09-8 Surrogate: Tetrachloro-m-xylene	98.8 %	30-150



### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:20 am

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 04:58	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 04:58	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	106 %			30-120
2051-24-3	Surrogate: Decachlorobiphenyl	128 %	S-GC		30-120

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 17:42	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	28.2 %			21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	3.26		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-39-3	Barium	126		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT





### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 11:20 am

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	24.5	B	mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-50-8	Copper	56.2		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7439-92-1	Lead	499		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7439-96-5	Manganese	447		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-02-0	Nickel	12.8		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7782-49-2	Selenium	ND		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-22-4	Silver	ND		mg/kg dry	0.550	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT
7440-66-6	Zinc	139		mg/kg dry	2.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:53	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.936		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:32	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.550	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.5		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.550	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



### Sample Information

**Client Sample ID:** SB-13 (2-4 ft)

**York Sample ID:** 22C0564-04

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 11:20 am	<u>Date Received</u> 03/09/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW

### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:15 pm	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
67-64-1	Acetone	0.023		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC



### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:15 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
75-09-2	<b>Methylene chloride</b>	<b>0.057</b>		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 18:39	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 18:39	OC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.2 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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(203) 325-1371

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RICHMOND HILL, NY 11418  
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### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:15 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:17	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	34.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	34.4 %	23-114								



### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:15 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	32.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	51.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.5 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 01:03	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 01:03	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:03	CM

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	95.3 %	30-150
877-09-8 Surrogate: Tetrachloro-m-xylene	85.5 %	30-150



### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:15 pm	<u>Date Received</u> 03/09/2022
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:12	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 05:12	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	96.5 %			30-120
2051-24-3	Surrogate: Decachlorobiphenyl	126 %	S-GC		30-120

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 17:53	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	67.0 %			21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	7.10		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-39-3	Barium	125		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT



### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:15 pm

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	23.4	B	mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-50-8	Copper	19.9		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7439-92-1	Lead	100		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7439-96-5	Manganese	291		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-02-0	Nickel	12.0		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT
7440-66-6	Zinc	79.5		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 16:50	03/16/2022 20:55	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.160		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:40	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.4		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.561	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



### Sample Information

**Client Sample ID:** SB-14 (0-2 ft)

**York Sample ID:** 22C0564-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:15 pm

03/09/2022

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	89.1		%	0.100	1	SM 2540G	03/15/2022 14:03	03/15/2022 18:02	MEW	
							Certifications:	CTDOH			

### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:35 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.091	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	03/15/2022 09:00	03/15/2022 19:05	OC
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			





### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:35 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
75-09-2	<b>Methylene chloride</b>	<b>0.015</b>		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:05	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 19:05	OC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	111 %	77-125
2037-26-5	Surrogate: SURRE: Toluene-d8	99.7 %	85-120
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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ClientServices@



### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:35 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0478</b>	J	mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
108-95-2	Phenol	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0435	0.0867	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:08	03/15/2022 19:48	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	31.9 %	23-114								



### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:35 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	37.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	25.9 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	38.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	40.3 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	0.00702		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	0.0148		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	0.0327		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B	03/15/2022 08:05	03/18/2022 01:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
	<b>Surrogate Recoveries</b>	<b>Result</b>					<b>Acceptance Range</b>			
2051-24-3	Surrogate: Decachlorobiphenyl	94.8 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	29.6 %	S-GC				30-150			



### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:35 pm

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:25	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 05:25	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	88.5 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	117 %	30-120

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 18:04	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	21.4 %	21-150
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.78		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-39-3	Barium	250		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-43-9	Cadmium	1.13		mg/kg dry	0.317	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT



**Sample Information**

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:35 pm

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	25.1	B	mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-50-8	Copper	44.7		mg/kg dry	2.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7439-92-1	Lead	707		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7439-96-5	Manganese	398		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-02-0	Nickel	23.1		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7782-49-2	Selenium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-22-4	Silver	ND		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT
7440-66-6	Zinc	593		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:46	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.206		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:49	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.529	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	25.1		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.529	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



### Sample Information

**Client Sample ID:** SB-15 (0-2 ft)

**York Sample ID:** 22C0564-06

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:35 pm	<u>Date Received</u> 03/09/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW

### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:40 pm	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC



### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:40 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
75-09-2	<b>Methylene chloride</b>	<b>0.021</b>		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:31	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 19:31	OC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	108 %	77-125
2037-26-5	Surrogate: SURRE: Toluene-d8	99.3 %	85-120
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	76-130

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:40 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.0633</b>	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.0514</b>	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.0521</b>	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
218-01-9	<b>Chrysene</b>	<b>0.0591</b>	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
206-44-0	<b>Fluoranthene</b>	<b>0.161</b>		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
85-01-8	<b>Phenanthrene</b>	<b>0.156</b>		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
129-00-0	<b>Pyrene</b>	<b>0.117</b>		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 10:40	03/17/2022 17:35	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.4 %	S-08		20-108						





### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:40 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	16.0 %	S-08		23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	19.0 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	15.3 %	S-08		21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	10.9 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	15.5 %	S-08		24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
72-55-9	4,4'-DDE	0.00831		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
50-29-3	4,4'-DDT	0.0209		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
5103-71-9	alpha-Chlordane	0.0189		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 01:37	CM	
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 01:37	CM	
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:37	CM	
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
2051-24-3	Surrogate: Decachlorobiphenyl	104 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	27.1 %	S-GC		30-150						



### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:40 pm

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:39	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 05:39	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	110 %			30-120					

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0207	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 18:15	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	10.8 %	S-04		21-150					

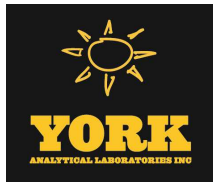
**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.78		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-39-3	Barium	234		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-43-9	Cadmium	1.23		mg/kg dry	0.320	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT



### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 12:40 pm

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	23.5	B	mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-50-8	Copper	43.1		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7439-92-1	Lead	469		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7439-96-5	Manganese	318		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-02-0	Nickel	20.5		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7782-49-2	Selenium	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT
7440-66-6	Zinc	563		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:49	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.198		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 11:58	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.533	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.5		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.533	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA



### Sample Information

**Client Sample ID:** SB-15 (2-4 ft)

**York Sample ID:** 22C0564-07

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 12:40 pm	<u>Date Received</u> 03/09/2022
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**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 14:03	03/15/2022 18:02	MEW

### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 1:15 pm	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC



### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:15 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
75-09-2	<b>Methylene chloride</b>	<b>0.0063</b>	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 19:58	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 19:58	OC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	110 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	99.1 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	99.5 %	76-130								

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

120 RESEARCH DRIVE  
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STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
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RICHMOND HILL, NY 11418  
ClientServices@



### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 1:15 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
83-32-9	<b>Acenaphthene</b>	<b>0.0591</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
208-96-8	<b>Acenaphthylene</b>	<b>0.0563</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
120-12-7	<b>Anthracene</b>	<b>0.174</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>0.453</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>0.538</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>0.443</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
191-24-2	<b>Benzo(g,h,i)perylene</b>	<b>0.0648</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>0.377</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
218-01-9	<b>Chrysene</b>	<b>0.448</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
53-70-3	<b>Dibenzo(a,h)anthracene</b>	<b>0.0612</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
206-44-0	<b>Fluoranthene</b>	<b>0.901</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
86-73-7	<b>Fluorene</b>	<b>0.0840</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.355</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
91-20-3	<b>Naphthalene</b>	<b>0.0477</b>	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
85-01-8	<b>Phenanthrene</b>	<b>0.565</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
129-00-0	<b>Pyrene</b>	<b>0.705</b>		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 11:50	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								



### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:15 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	3.48 %	S-08		20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	26.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	54.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	1.80 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			24-116						

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
50-29-3	<b>4,4'-DDT</b>	<b>0.00881</b>		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
5103-71-9	<b>alpha-Chlordane</b>	<b>0.0115</b>		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 01:53	CM	
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 01:53	CM	
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 01:53	CM	
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	101 %			30-150						



### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

York Project (SDG) No.

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Matrix

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Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:15 pm

03/09/2022

**Pesticides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	24.9 %	S-GC		30-150					

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
11096-82-5	<b>Aroclor 1260</b>	<b>0.0380</b>		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 05:52	BJ
1336-36-3	<b>* Total PCBs</b>	<b>0.0380</b>		mg/kg dry	0.0177	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 05:52	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %		30-120
2051-24-3	Surrogate: Decachlorobiphenyl	102 %		30-120

**Herbicides, NYSDEC Part 375 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 18:25	BJ

**Surrogate Recoveries**

**Result**

**Acceptance Range**

19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	27.4 %		21-150
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**Metals, NYSDEC Part 375**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	<b>Arsenic</b>	<b>3.20</b>		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT





### Sample Information

**Client Sample ID:** SB-16 (0-2 ft)

**York Sample ID:** 22C0564-08

York Project (SDG) No.

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22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:15 pm

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	170		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-43-9	Cadmium	0.674		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-47-3	Chromium	23.0	B	mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-50-8	Copper	35.0		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7439-92-1	Lead	247		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7439-96-5	Manganese	291		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-02-0	Nickel	20.7		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7782-49-2	Selenium	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT
7440-66-6	Zinc	166		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 22:51	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.120		mg/kg dry	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 12:07	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.0		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM



Sample Information

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2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:15 pm

03/09/2022

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 57-12-5, Cyanide, total, ND, mg/kg dry, 0.543, 1, EPA 9014/9010C, 03/15/2022 08:30, 03/15/2022 17:11, TJA.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 92.1, %, 0.100, 1, SM 2540G, 03/15/2022 14:03, 03/15/2022 18:02, MEW.

Sample Information

Client Sample ID: SB-17 (2-4 ft)

York Sample ID: 22C0564-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:45 pm

03/09/2022

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organics like 1,1,1-Trichloroethane, 1,1-Dichloroethane, etc.



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:45 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.020		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
75-09-2	Methylene chloride	0.011		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:24	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 20:24	OC
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %		77-125							



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:45 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	98.3 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
83-32-9	Acenaphthene	0.186		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
208-96-8	Acenaphthylene	0.0680	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
120-12-7	Anthracene	0.223		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
56-55-3	Benzo(a)anthracene	0.334		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
50-32-8	Benzo(a)pyrene	0.390		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
205-99-2	Benzo(b)fluoranthene	0.333		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
191-24-2	Benzo(g,h,i)perylene	0.315		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
207-08-9	Benzo(k)fluoranthene	0.280		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
218-01-9	Chrysene	0.331		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
53-70-3	Dibenzo(a,h)anthracene	0.0659	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
132-64-9	Dibenzofuran	0.165		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
206-44-0	Fluoranthene	0.817		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
86-73-7	Fluorene	0.109		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.294		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:45 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
85-01-8	<b>Phenanthrene</b>	<b>0.830</b>		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
129-00-0	<b>Pyrene</b>	<b>0.682</b>		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:22	KH
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	26.5 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	42.0 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	38.8 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	44.8 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	8.72 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	41.4 %		24-116							

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:05	03/18/2022 02:10	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:05	03/18/2022 02:10	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

York Project (SDG) No.

Client Project ID

Matrix

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22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 1:45 pm

03/09/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:05	03/18/2022 02:10	CM
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
2051-24-3	Surrogate: Decachlorobiphenyl	106 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	26.1 %	S-GC	30-150						

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:05	03/16/2022 06:06	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	03/15/2022 08:05	03/16/2022 06:06	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	98.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	114 %		30-120						

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 18:36	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	39.2 %		21-150						



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 1:45 pm	<u>Date Received</u> 03/09/2022
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**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.18		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-39-3	Barium	88.4		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.319	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-47-3	Chromium	20.0	B	mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-50-8	Copper	23.3		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7439-92-1	Lead	179		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7439-96-5	Manganese	393		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-02-0	Nickel	18.6		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7782-49-2	Selenium	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-22-4	Silver	ND		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT
7440-66-6	Zinc	80.5		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:00	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.154		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 12:16	BR

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.532	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** SB-17 (2-4 ft)

**York Sample ID:** 22C0564-09

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 1:45 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.0		mg/kg	0.500	1	Calculation	03/16/2022 17:48	03/17/2022 17:26	PAM

Certifications:

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.532	1	EPA 9014/9010C	03/15/2022 08:30	03/15/2022 17:11	TJA

Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.9		%	0.100	1	SM 2540G	03/15/2022 14:03	03/15/2022 18:02	MEW

Certifications: CTDOH

### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 2:15 pm	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	03/15/2022 09:00	03/15/2022 20:51	OC
									Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		





### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Soil	<u>Collection Date/Time</u> March 8, 2022 2:15 pm	<u>Date Received</u> 03/09/2022
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**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
75-09-2	<b>Methylene chloride</b>	<b>0.042</b>		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC



### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 2:15 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 09:00	03/15/2022 20:51	OC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 09:00	03/15/2022 20:51	OC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.4 %			76-130						

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
208-96-8	Acenaphthylene	0.0575	J	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
120-12-7	Anthracene	0.0693	J	mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
56-55-3	Benzo(a)anthracene	0.169		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
50-32-8	Benzo(a)pyrene	0.172		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
205-99-2	Benzo(b)fluoranthene	0.157		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
191-24-2	Benzo(g,h,i)perylene	0.161		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
207-08-9	Benzo(k)fluoranthene	0.155		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
218-01-9	Chrysene	0.167		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
206-44-0	Fluoranthene	0.284		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH



### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 2:15 pm

03/09/2022

**Semi-Volatiles, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.150</b>		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
85-01-8	<b>Phenanthrene</b>	<b>0.167</b>		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
108-95-2	Phenol	ND		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
129-00-0	<b>Pyrene</b>	<b>0.271</b>		mg/kg dry	0.0493	0.0985	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:01	03/16/2022 12:54	KH
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: SURR: 2-Fluorophenol	9.16 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	21.6 %	S-08	23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	25.8 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	27.3 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	2.28 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	25.3 %		24-116							

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2022 08:02	03/18/2022 02:27	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM



### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 2:15 pm

03/09/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2022 08:02	03/18/2022 02:27	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 08:02	03/18/2022 02:27	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	92.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.1 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:02	03/15/2022 23:33	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	03/15/2022 08:02	03/15/2022 23:33	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	87.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	116 %	30-120							



### Sample Information

**Client Sample ID:** SB-18 (0-2 ft)

**York Sample ID:** 22C0564-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Soil

March 8, 2022 2:15 pm

03/09/2022

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 13:12	03/16/2022 18:47	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	26.4 %	21-150							

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.45		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-39-3	Barium	87.4		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.360	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-47-3	Chromium	24.9	B	mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-50-8	Copper	18.2		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7439-92-1	Lead	84.6		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7439-96-5	Manganese	497		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-02-0	Nickel	20.4		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT
7440-66-6	Zinc	56.8		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2022 20:35	03/16/2022 23:03	KT

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.308		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2022 09:00	03/16/2022 10:25	BR



### Sample Information

**Client Sample ID:** SB-18 (0-2 ft) **York Sample ID:** 22C0564-10  
**York Project (SDG) No.:** 22C0564 **Client Project ID:** 2221378 Yonkers PIIESIA **Matrix:** Soil **Collection Date/Time:** March 8, 2022 2:15 pm **Date Received:** 03/09/2022

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.600	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/15/2022 09:06	03/15/2022 16:10	JAG

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.9		mg/kg	0.500	1	Calculation Certifications:	03/16/2022 17:48	03/17/2022 17:26	PAM

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.600	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2022 08:30	03/15/2022 17:11	TJA

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 13:19	03/15/2022 16:38	MEW

### Sample Information

**Client Sample ID:** EB-01 **York Sample ID:** 22C0564-11  
**York Project (SDG) No.:** 22C0564 **Client Project ID:** 2221378 Yonkers PIIESIA **Matrix:** Water **Collection Date/Time:** March 8, 2022 2:30 pm **Date Received:** 03/09/2022

#### Volatile Organics, NYSDEC Part 375 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD



### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Water

March 8, 2022 2:30 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
67-64-1	<b>Acetone</b>	<b>1.08</b>	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
75-09-2	<b>Methylene chloride</b>	<b>4.35</b>		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD



### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Water

March 8, 2022 2:30 pm

03/09/2022

**Volatile Organics, NYSDEC Part 375 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2022 09:00	03/11/2022 13:09	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2022 09:00	03/11/2022 13:09	PD
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.7 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.5 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %			79-122						

**Semi-Volatiles, NYSDEC Part 375 List (Scan)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/17/2022 13:01	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/17/2022 13:01	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/17/2022 13:01	KH
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/17/2022 13:01	KH
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: SURRE: 2-Fluorophenol	33.2 %			19.7-63.1						
4165-62-2	Surrogate: SURRE: Phenol-d5	19.5 %			10.1-41.7						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	78.8 %			50.2-113						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	63.3 %			39.9-105						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	86.8 %			39.3-151						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	76.2 %			30.7-106						

**Semi-Volatiles, NYSDEC Part 375 List (SIM)**

**Log-in Notes:**

**Sample Notes:**





### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

<u>York Project (SDG) No.</u> 22C0564	<u>Client Project ID</u> 2221378 Yonkers PIIESIA	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 8, 2022 2:30 pm	<u>Date Received</u> 03/09/2022
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Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2022 13:42	03/11/2022 15:54	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2022 13:42	03/11/2022 15:54	KH
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:42	03/11/2022 15:54	KH

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM



### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Water

March 8, 2022 2:30 pm

03/09/2022

**Pesticides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 07:28	03/16/2022 14:54	CM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
2051-24-3	Surrogate: Decachlorobiphenyl	97.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.8 %	30-150							

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

22C0564

2221378 Yonkers PIIESIA

Water

March 8, 2022 2:30 pm

03/09/2022

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2022 07:28	03/11/2022 01:38	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	03/10/2022 07:28	03/11/2022 01:38	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
877-09-8	Surrogate: Tetrachloro-m-xylene	88.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	117 %	30-150							

**Herbicides, NYSDEC Part 375 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 13:46	03/14/2022 21:15	BJ
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	67.4 %	30-150							

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-39-3	Barium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT



### Sample Information

**Client Sample ID:** EB-01

**York Sample ID:** 22C0564-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0564

2221378 Yonkers PIIESIA

Water

March 8, 2022 2:30 pm

03/09/2022

**Metals, NYSDEC Part 375**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-50-8	Copper	ND		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7439-96-5	Manganese	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/10/2022 14:33	03/11/2022 18:27	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2022 14:33	03/11/2022 18:27	KT

**Mercury by 7470/7471**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2022 17:30	03/16/2022 17:30	AA

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2022 19:54	03/09/2022 21:54	ZTS

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	03/16/2022 17:50	03/17/2022 17:26	PAM

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/16/2022 08:16	03/16/2022 14:09	TJA



## Analytical Batch Summary

**Batch ID:** BC21889      **Preparation Method:** Analysis Preparation      **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/09/22
BC21889-BLK1	Blank	03/09/22
BC21889-BS1	LCS	03/09/22
BC21889-DUP1	Duplicate	03/09/22
BC21889-MS1	Matrix Spike	03/09/22

**Batch ID:** BC21898      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/10/22
22C0564-11	EB-01	03/10/22
BC21898-BLK2	Blank	03/10/22
BC21898-BS1	LCS	03/10/22
BC21898-BS2	LCS	03/10/22
BC21898-BSD1	LCS Dup	03/10/22
BC21898-BSD2	LCS Dup	03/10/22

**Batch ID:** BC21948      **Preparation Method:** EPA 3510C      **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/10/22
BC21948-BLK1	Blank	03/10/22
BC21948-BLK2	Blank	03/10/22
BC21948-BS1	LCS	03/10/22
BC21948-BS2	LCS	03/10/22
BC21948-BSD1	LCS Dup	03/10/22

**Batch ID:** BC21949      **Preparation Method:** EPA 8151A      **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/10/22
BC21949-BLK1	Blank	03/10/22
BC21949-BS1	LCS	03/10/22
BC21949-BSD1	LCS Dup	03/10/22

**Batch ID:** BC21957      **Preparation Method:** EPA 3015A      **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/10/22
BC21957-BLK1	Blank	03/10/22
BC21957-BS1	LCS	03/10/22
BC21957-DUP1	Duplicate	03/10/22
BC21957-MS1	Matrix Spike	03/10/22



BC21957-PS1

Post Spike

03/10/22

**Batch ID:** BC22014

**Preparation Method:** EPA 5030B

**Prepared By:** CLG

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/11/22
BC22014-BLK1	Blank	03/11/22
BC22014-BS1	LCS	03/11/22
BC22014-BSD1	LCS Dup	03/11/22

**Batch ID:** BC22109

**Preparation Method:** EPA 5035A

**Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22109-BLK1	Blank	03/15/22
BC22109-BLK2	Blank	03/15/22
BC22109-BS1	LCS	03/15/22
BC22109-BSD1	LCS Dup	03/15/22
BC22109-MS1	Matrix Spike	03/15/22
BC22109-MSD1	Matrix Spike Dup	03/15/22

**Batch ID:** BC22187

**Preparation Method:** EPA 3546 SVOA

**Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22187-BLK1	Blank	03/15/22
BC22187-BS1	LCS	03/15/22
BC22187-MS1	Matrix Spike	03/15/22
BC22187-MSD1	Matrix Spike Dup	03/15/22

**Batch ID:** BC22188

**Preparation Method:** EPA 3550C

**Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-10	SB-18 (0-2 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22188-BLK1	Blank	03/15/22
BC22188-BLK2	Blank	03/15/22
BC22188-BS1	LCS	03/15/22



BC22188-BS2 LCS 03/15/22  
BC22188-MS2 Matrix Spike 03/15/22  
BC22188-MSD2 Matrix Spike Dup 03/15/22

**Batch ID:** BC22189 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
BC22189-BLK1	Blank	03/15/22
BC22189-BLK2	Blank	03/15/22
BC22189-BS1	LCS	03/15/22
BC22189-BS2	LCS	03/15/22

**Batch ID:** BC22191 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
BC22191-BLK1	Blank	03/15/22
BC22191-BS1	LCS	03/15/22
BC22191-MS1	Matrix Spike	03/15/22
BC22191-MSD1	Matrix Spike Dup	03/15/22

**Batch ID:** BC22194 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22



22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22194-BLK1	Blank	03/15/22
BC22194-DUP1	Duplicate	03/15/22
BC22194-MS1	Matrix Spike	03/15/22
BC22194-SRM1	Reference	03/15/22

**Batch ID:** BC22197      **Preparation Method:** EPA SW846-3060      **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22197-BLK1	Blank	03/15/22
BC22197-DUP1	Duplicate	03/15/22
BC22197-MS1	Matrix Spike	03/15/22
BC22197-SRM1	Reference	03/15/22

**Batch ID:** BC22231      **Preparation Method:** EPA 3550C/8151A      **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22231-BLK1	Blank	03/15/22
BC22231-BS1	LCS	03/15/22
BC22231-MS1	Matrix Spike	03/15/22
BC22231-MSD1	Matrix Spike Dup	03/15/22

**Batch ID:** BC22238      **Preparation Method:** % Solids Prep      **Prepared By:** MEW





YORK Sample ID	Client Sample ID	Preparation Date
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22238-DUP1	Duplicate	03/15/22

**Batch ID:** BC22241      **Preparation Method:** % Solids Prep      **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
BC22241-DUP1	Duplicate	03/15/22

**Batch ID:** BC22265      **Preparation Method:** EPA 3050B      **Prepared By:** S\_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/15/22
22C0564-02	SB-12 (0-2 ft)	03/15/22
22C0564-03	SB-13 (0-2 ft)	03/15/22
22C0564-04	SB-13 (2-4 ft)	03/15/22
22C0564-05	SB-14 (0-2 ft)	03/15/22
BC22265-BLK1	Blank	03/15/22
BC22265-DUP1	Duplicate	03/15/22
BC22265-MS1	Matrix Spike	03/15/22
BC22265-PS1	Post Spike	03/15/22
BC22265-SRM1	Reference	03/15/22

**Batch ID:** BC22280      **Preparation Method:** EPA 3050B      **Prepared By:** S\_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-06	SB-15 (0-2 ft)	03/15/22
22C0564-07	SB-15 (2-4 ft)	03/15/22
22C0564-08	SB-16 (0-2 ft)	03/15/22
22C0564-09	SB-17 (2-4 ft)	03/15/22
22C0564-10	SB-18 (0-2 ft)	03/15/22
BC22280-BLK1	Blank	03/15/22
BC22280-DUP1	Duplicate	03/15/22
BC22280-MS1	Matrix Spike	03/15/22
BC22280-PS1	Post Spike	03/15/22
BC22280-SRM1	Reference	03/15/22

**Batch ID:** BC22289      **Preparation Method:** Analysis Preparation      **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
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22C0564-11	EB-01	03/16/22
BC22289-BLK1	Blank	03/16/22
BC22289-BS1	LCS	03/16/22
BC22289-DUP1	Duplicate	03/16/22
BC22289-MS1	Matrix Spike	03/16/22

**Batch ID:** BC22301      **Preparation Method:** EPA 7473 soil      **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/16/22
22C0564-02	SB-12 (0-2 ft)	03/16/22
22C0564-03	SB-13 (0-2 ft)	03/16/22
22C0564-04	SB-13 (2-4 ft)	03/16/22
22C0564-05	SB-14 (0-2 ft)	03/16/22
22C0564-06	SB-15 (0-2 ft)	03/16/22
22C0564-07	SB-15 (2-4 ft)	03/16/22
22C0564-08	SB-16 (0-2 ft)	03/16/22
22C0564-09	SB-17 (2-4 ft)	03/16/22
22C0564-10	SB-18 (0-2 ft)	03/16/22
BC22301-BLK1	Blank	03/16/22
BC22301-DUP1	Duplicate	03/16/22
BC22301-MS1	Matrix Spike	03/16/22
BC22301-SRM1	Reference	03/16/22

**Batch ID:** BC22351      **Preparation Method:** EPA SW846-7470A      **Prepared By:** AA

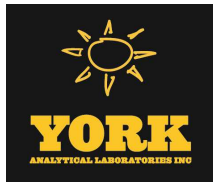
YORK Sample ID	Client Sample ID	Preparation Date
22C0564-11	EB-01	03/16/22
BC22351-BLK1	Blank	03/16/22
BC22351-BS1	LCS	03/16/22
BC22351-BS2	LCS	03/16/22

**Batch ID:** BC22356      **Preparation Method:** Analysis Preparation      **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-01	SB-09 (2-4 ft)	03/16/22
22C0564-02	SB-12 (0-2 ft)	03/16/22
22C0564-03	SB-13 (0-2 ft)	03/16/22
22C0564-04	SB-13 (2-4 ft)	03/16/22
22C0564-05	SB-14 (0-2 ft)	03/16/22
22C0564-06	SB-15 (0-2 ft)	03/16/22
22C0564-07	SB-15 (2-4 ft)	03/16/22
22C0564-08	SB-16 (0-2 ft)	03/16/22
22C0564-09	SB-17 (2-4 ft)	03/16/22
22C0564-10	SB-18 (0-2 ft)	03/16/22

**Batch ID:** BC22357      **Preparation Method:** Analysis Preparation      **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
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22C0564-11

EB-01

03/16/22

**Batch ID:** BC22374

**Preparation Method:** EPA 3546 SVOA

**Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0564-07	SB-15 (2-4 ft)	03/17/22
BC22374-BLK1	Blank	03/17/22
BC22374-BS1	LCS	03/17/22
BC22374-MS1	Matrix Spike	03/17/22
BC22374-MSD1	Matrix Spike Dup	03/17/22



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22014 - EPA 5030B**

**Blank (BC22014-BLK1)**

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroform	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
sec-Butylbenzene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22014 - EPA 5030B

LCS (BC22014-BS1)

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	9.64		ug/L	10.0		96.4	78-136				
1,1-Dichloroethane	9.62		"	10.0		96.2	82-129				
1,1-Dichloroethylene	9.91		"	10.0		99.1	68-138				
1,2,4-Trimethylbenzene	9.03		"	10.0		90.3	82-132				
1,2-Dichlorobenzene	8.75		"	10.0		87.5	79-123				
1,2-Dichloroethane	9.28		"	10.0		92.8	73-132				
1,3,5-Trimethylbenzene	9.00		"	10.0		90.0	80-131				
1,3-Dichlorobenzene	8.93		"	10.0		89.3	86-122				
1,4-Dichlorobenzene	8.96		"	10.0		89.6	85-124				
1,4-Dioxane	144		"	210		68.4	10-349				
2-Butanone	7.78		"	10.0		77.8	49-152				
Acetone	4.50		"	10.0		45.0	14-150				
Benzene	9.61		"	10.0		96.1	85-126				
Carbon tetrachloride	9.64		"	10.0		96.4	77-141				
Chlorobenzene	9.52		"	10.0		95.2	88-120				
Chloroform	9.62		"	10.0		96.2	82-128				
cis-1,2-Dichloroethylene	9.70		"	10.0		97.0	83-129				
Ethyl Benzene	9.20		"	10.0		92.0	80-131				
Methyl tert-butyl ether (MTBE)	8.74		"	10.0		87.4	76-135				
Methylene chloride	7.69		"	10.0		76.9	55-137				
Naphthalene	7.83		"	10.0		78.3	70-147				
n-Butylbenzene	8.74		"	10.0		87.4	79-132				
n-Propylbenzene	9.20		"	10.0		92.0	78-133				
o-Xylene	9.28		"	10.0		92.8	78-130				
p- & m- Xylenes	18.5		"	20.0		92.4	77-133				
sec-Butylbenzene	8.90		"	10.0		89.0	79-137				
tert-Butylbenzene	8.72		"	10.0		87.2	77-138				
Tetrachloroethylene	5.86		"	10.0		58.6	82-131	Low Bias			
Toluene	9.18		"	10.0		91.8	80-127				
trans-1,2-Dichloroethylene	9.99		"	10.0		99.9	80-132				
Trichloroethylene	9.09		"	10.0		90.9	82-128				
Vinyl Chloride	10.6		"	10.0		106	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.66		"	10.0		96.6	69-130				
Surrogate: SURR: Toluene-d8	9.77		"	10.0		97.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22014 - EPA 5030B

LCS Dup (BC22014-BSD1)

Prepared & Analyzed: 03/11/2022

1,1,1-Trichloroethane	8.79		ug/L	10.0		87.9	78-136		9.22	30	
1,1-Dichloroethane	8.80		"	10.0		88.0	82-129		8.90	30	
1,1-Dichloroethylene	8.93		"	10.0		89.3	68-138		10.4	30	
1,2,4-Trimethylbenzene	8.34		"	10.0		83.4	82-132		7.94	30	
1,2-Dichlorobenzene	8.58		"	10.0		85.8	79-123		1.96	30	
1,2-Dichloroethane	9.47		"	10.0		94.7	73-132		2.03	30	
1,3,5-Trimethylbenzene	8.10		"	10.0		81.0	80-131		10.5	30	
1,3-Dichlorobenzene	8.39		"	10.0		83.9	86-122	Low Bias	6.24	30	
1,4-Dichlorobenzene	8.51		"	10.0		85.1	85-124		5.15	30	
1,4-Dioxane	191		"	210		91.1	10-349		28.5	30	
2-Butanone	8.61		"	10.0		86.1	49-152		10.1	30	
Acetone	5.06		"	10.0		50.6	14-150		11.7	30	
Benzene	9.04		"	10.0		90.4	85-126		6.11	30	
Carbon tetrachloride	8.80		"	10.0		88.0	77-141		9.11	30	
Chlorobenzene	9.10		"	10.0		91.0	88-120		4.51	30	
Chloroform	9.11		"	10.0		91.1	82-128		5.45	30	
cis-1,2-Dichloroethylene	8.98		"	10.0		89.8	83-129		7.71	30	
Ethyl Benzene	8.58		"	10.0		85.8	80-131		6.97	30	
Methyl tert-butyl ether (MTBE)	9.56		"	10.0		95.6	76-135		8.96	30	
Methylene chloride	7.44		"	10.0		74.4	55-137		3.30	30	
Naphthalene	9.20		"	10.0		92.0	70-147		16.1	30	
n-Butylbenzene	8.06		"	10.0		80.6	79-132		8.10	30	
n-Propylbenzene	8.17		"	10.0		81.7	78-133		11.9	30	
o-Xylene	8.85		"	10.0		88.5	78-130		4.74	30	
p- & m- Xylenes	17.2		"	20.0		85.8	77-133		7.41	30	
sec-Butylbenzene	8.03		"	10.0		80.3	79-137		10.3	30	
tert-Butylbenzene	7.81		"	10.0		78.1	77-138		11.0	30	
Tetrachloroethylene	5.35		"	10.0		53.5	82-131	Low Bias	9.10	30	
Toluene	8.62		"	10.0		86.2	80-127		6.29	30	
trans-1,2-Dichloroethylene	8.91		"	10.0		89.1	80-132		11.4	30	
Trichloroethylene	8.32		"	10.0		83.2	82-128		8.85	30	
Vinyl Chloride	9.63		"	10.0		96.3	58-145		9.50	30	
Surrogate: Surr: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Surr: Toluene-d8	9.66		"	10.0		96.6	81-117				
Surrogate: Surr: p-Bromofluorobenzene	9.91		"	10.0		99.1	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

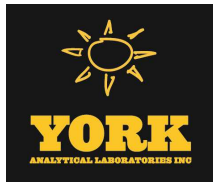
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22109 - EPA 5035A**

**Blank (BC22109-BLK1)**

Prepared & Analyzed: 03/15/2022

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	48.2		ug/L	50.0		96.4	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.3		"	50.0		98.6	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.4		"	50.0		98.8	76-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22109 - EPA 5035A**

**Blank (BC22109-BLK2)**

Prepared & Analyzed: 03/15/2022

1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	49.9		ug/L	50.0		99.8	77-125				
<i>Surrogate: Surr: Toluene-d8</i>	49.2		"	50.0		98.5	85-120				
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	49.1		"	50.0		98.2	76-130				





**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22109 - EPA 5035A**

**LCS (BC22109-BS1)**

Prepared & Analyzed: 03/15/2022

1,1,1-Trichloroethane	46.1		ug/L	50.0		92.2	71-137				
1,1-Dichloroethane	45.4		"	50.0		90.9	75-130				
1,1-Dichloroethylene	45.5		"	50.0		91.0	64-137				
1,2,4-Trimethylbenzene	49.8		"	50.0		99.7	84-125				
1,2-Dichlorobenzene	48.0		"	50.0		96.0	85-122				
1,2-Dichloroethane	44.7		"	50.0		89.5	71-133				
1,3,5-Trimethylbenzene	49.1		"	50.0		98.2	82-126				
1,3-Dichlorobenzene	48.8		"	50.0		97.6	84-124				
1,4-Dichlorobenzene	49.4		"	50.0		98.7	84-124				
1,4-Dioxane	1030		"	1050		98.5	10-228				
2-Butanone	43.3		"	50.0		86.6	58-147				
Acetone	32.9		"	50.0		65.9	36-155				
Benzene	47.6		"	50.0		95.2	77-127				
Carbon tetrachloride	47.2		"	50.0		94.3	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroform	46.3		"	50.0		92.5	76-131				
cis-1,2-Dichloroethylene	46.0		"	50.0		92.0	74-132				
Ethyl Benzene	50.3		"	50.0		101	84-125				
Methyl tert-butyl ether (MTBE)	48.0		"	50.0		96.1	74-131				
Methylene chloride	47.7		"	50.0		95.4	57-141				
Naphthalene	44.3		"	50.0		88.6	86-141				
n-Butylbenzene	50.5		"	50.0		101	80-130				
n-Propylbenzene	50.1		"	50.0		100	74-136				
o-Xylene	51.8		"	50.0		104	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
sec-Butylbenzene	50.3		"	50.0		101	83-125				
tert-Butylbenzene	50.2		"	50.0		100	80-127				
Tetrachloroethylene	39.0		"	50.0		77.9	80-129	Low Bias			
Toluene	48.4		"	50.0		96.8	85-121				
trans-1,2-Dichloroethylene	46.7		"	50.0		93.4	72-132				
Trichloroethylene	47.9		"	50.0		95.9	84-123				
Vinyl Chloride	48.8		"	50.0		97.6	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.7</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.5</i>	<i>76-130</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22109 - EPA 5035A**

**LCS Dup (BC22109-BSD1)**

Prepared & Analyzed: 03/15/2022

1,1,1-Trichloroethane	48.3		ug/L	50.0		96.6	71-137		4.66	30	
1,1-Dichloroethane	47.8		"	50.0		95.5	75-130		4.96	30	
1,1-Dichloroethylene	48.2		"	50.0		96.4	64-137		5.74	30	
1,2,4-Trimethylbenzene	51.5		"	50.0		103	84-125		3.33	30	
1,2-Dichlorobenzene	49.1		"	50.0		98.3	85-122		2.33	30	
1,2-Dichloroethane	46.0		"	50.0		92.1	71-133		2.89	30	
1,3,5-Trimethylbenzene	50.8		"	50.0		102	82-126		3.40	30	
1,3-Dichlorobenzene	50.6		"	50.0		101	84-124		3.60	30	
1,4-Dichlorobenzene	51.4		"	50.0		103	84-124		4.09	30	
1,4-Dioxane	1070		"	1050		102	10-228		3.71	30	
2-Butanone	45.5		"	50.0		91.1	58-147		5.07	30	
Acetone	34.1		"	50.0		68.3	36-155		3.58	30	
Benzene	49.6		"	50.0		99.1	77-127		3.99	30	
Carbon tetrachloride	48.9		"	50.0		97.9	66-143		3.71	30	
Chlorobenzene	51.7		"	50.0		103	86-120		3.01	30	
Chloroform	48.0		"	50.0		96.0	76-131		3.65	30	
cis-1,2-Dichloroethylene	48.1		"	50.0		96.1	74-132		4.34	30	
Ethyl Benzene	52.0		"	50.0		104	84-125		3.46	30	
Methyl tert-butyl ether (MTBE)	48.6		"	50.0		97.3	74-131		1.28	30	
Methylene chloride	49.4		"	50.0		98.8	57-141		3.48	30	
Naphthalene	44.7		"	50.0		89.5	86-141		0.943	30	
n-Butylbenzene	53.0		"	50.0		106	80-130		4.94	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		4.03	30	
o-Xylene	53.7		"	50.0		107	83-123		3.64	30	
p- & m- Xylenes	107		"	100		107	82-128		3.83	30	
sec-Butylbenzene	52.8		"	50.0		106	83-125		4.94	30	
tert-Butylbenzene	52.0		"	50.0		104	80-127		3.62	30	
Tetrachloroethylene	40.8		"	50.0		81.6	80-129		4.54	30	
Toluene	50.4		"	50.0		101	85-121		3.97	30	
trans-1,2-Dichloroethylene	48.8		"	50.0		97.6	72-132		4.40	30	
Trichloroethylene	49.8		"	50.0		99.6	84-123		3.81	30	
Vinyl Chloride	51.1		"	50.0		102	52-130		4.63	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>		<i>95.6</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.6</i>	<i>76-130</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22109 - EPA 5035A**

<b>Matrix Spike (BC22109-MS1)</b>	<b>*Source sample: 22C0564-10 (SB-18 (0-2 ft))</b>					<b>Prepared &amp; Analyzed: 03/15/2022</b>	
1,1,1-Trichloroethane	39.0		ug/L	50.0	0.00	78.1	42-145
1,1-Dichloroethane	37.5		"	50.0	0.00	75.0	46-142
1,1-Dichloroethylene	38.0		"	50.0	0.00	76.0	30-153
1,2,4-Trimethylbenzene	33.2		"	50.0	0.00	66.3	10-170
1,2-Dichlorobenzene	29.1		"	50.0	0.00	58.2	10-147
1,2-Dichloroethane	39.6		"	50.0	0.00	79.3	48-133
1,3,5-Trimethylbenzene	33.4		"	50.0	0.00	66.7	10-150
1,3-Dichlorobenzene	29.1		"	50.0	0.00	58.1	10-144
1,4-Dichlorobenzene	29.0		"	50.0	0.00	58.0	10-160
1,4-Dioxane	849		"	1050	0.00	80.8	10-191
2-Butanone	37.1		"	50.0	0.00	74.3	10-189
Acetone	34.1		"	50.0	1.24	65.8	10-196
Benzene	38.3		"	50.0	0.00	76.5	43-139
Carbon tetrachloride	40.2		"	50.0	0.00	80.4	35-145
Chlorobenzene	36.5		"	50.0	0.00	73.0	21-154
Chloroform	39.7		"	50.0	0.00	79.4	47-142
cis-1,2-Dichloroethylene	37.2		"	50.0	0.00	74.3	42-144
Ethyl Benzene	37.8		"	50.0	0.00	75.5	11-158
Methyl tert-butyl ether (MTBE)	39.5		"	50.0	0.00	78.9	42-152
Methylene chloride	70.0		"	50.0	35.0	69.9	28-151
Naphthalene	18.9		"	50.0	0.00	37.8	10-158
n-Butylbenzene	29.9		"	50.0	0.00	59.9	10-162
n-Propylbenzene	33.0		"	50.0	0.00	66.1	10-155
o-Xylene	39.0		"	50.0	0.00	78.0	10-158
p- & m- Xylenes	76.7		"	100	0.00	76.7	10-156
sec-Butylbenzene	32.0		"	50.0	0.00	63.9	10-157
tert-Butylbenzene	33.8		"	50.0	0.00	67.6	10-160
Tetrachloroethylene	28.4		"	50.0	0.00	56.8	30-167
Toluene	37.4		"	50.0	0.00	74.8	21-160
trans-1,2-Dichloroethylene	36.8		"	50.0	0.00	73.6	29-153
Trichloroethylene	36.8		"	50.0	0.00	73.6	24-169
Vinyl Chloride	39.5		"	50.0	0.00	79.0	12-160
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	53.7		"	50.0		107	77-125
<i>Surrogate: SURR: Toluene-d8</i>	49.7		"	50.0		99.4	85-120
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.5		"	50.0		96.9	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22109 - EPA 5035A</b>											
<b>Matrix Spike Dup (BC22109-MSD1)</b>	*Source sample: 22C0564-10 (SB-18 (0-2 ft))					Prepared & Analyzed: 03/15/2022					
1,1,1-Trichloroethane	39.9		ug/L	50.0	0.00	79.8	42-145		2.18	30	
1,1-Dichloroethane	38.6		"	50.0	0.00	77.3	46-142		2.99	36	
1,1-Dichloroethylene	38.8		"	50.0	0.00	77.5	30-153		2.01	31	
1,2,4-Trimethylbenzene	34.9		"	50.0	0.00	69.8	10-170		5.05	242	
1,2-Dichlorobenzene	30.2		"	50.0	0.00	60.4	10-147		3.71	52	
1,2-Dichloroethane	38.6		"	50.0	0.00	77.3	48-133		2.55	32	
1,3,5-Trimethylbenzene	34.8		"	50.0	0.00	69.6	10-150		4.28	62	
1,3-Dichlorobenzene	30.6		"	50.0	0.00	61.2	10-144		5.23	51	
1,4-Dichlorobenzene	30.0		"	50.0	0.00	60.0	10-160		3.39	52	
1,4-Dioxane	875		"	1050	0.00	83.4	10-191		3.08	196	
2-Butanone	34.1		"	50.0	0.00	68.3	10-189		8.42	67	
Acetone	35.2		"	50.0	1.24	67.8	10-196		2.94	150	
Benzene	39.0		"	50.0	0.00	77.9	43-139		1.84	64	
Carbon tetrachloride	40.8		"	50.0	0.00	81.5	35-145		1.36	31	
Chlorobenzene	36.8		"	50.0	0.00	73.6	21-154		0.819	32	
Chloroform	39.8		"	50.0	0.00	79.6	47-142		0.226	29	
cis-1,2-Dichloroethylene	37.7		"	50.0	0.00	75.4	42-144		1.44	30	
Ethyl Benzene	38.7		"	50.0	0.00	77.5	11-158		2.59	42	
Methyl tert-butyl ether (MTBE)	40.4		"	50.0	0.00	80.8	42-152		2.33	47	
Methylene chloride	77.1		"	50.0	35.0	84.1	28-151		9.63	49	
Naphthalene	19.7		"	50.0	0.00	39.5	10-158		4.24	95	
n-Butylbenzene	32.7		"	50.0	0.00	65.3	10-162		8.75	96	
n-Propylbenzene	35.1		"	50.0	0.00	70.2	10-155		6.05	56	
o-Xylene	39.4		"	50.0	0.00	78.9	10-158		1.20	51	
p- & m- Xylenes	79.0		"	100	0.00	79.0	10-156		2.88	47	
sec-Butylbenzene	34.7		"	50.0	0.00	69.3	10-157		8.13	56	
tert-Butylbenzene	36.1		"	50.0	0.00	72.2	10-160		6.55	79	
Tetrachloroethylene	30.0		"	50.0	0.00	60.0	30-167		5.41	33	
Toluene	38.1		"	50.0	0.00	76.3	21-160		2.01	50	
trans-1,2-Dichloroethylene	37.6		"	50.0	0.00	75.1	29-153		2.10	30	
Trichloroethylene	39.8		"	50.0	0.00	79.7	24-169		7.94	30	
Vinyl Chloride	41.1		"	50.0	0.00	82.2	12-160		3.97	35	
Surrogate: SURRE: 1,2-Dichloroethane-d4	52.2		"	50.0		104	77-125				
Surrogate: SURRE: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.1		"	50.0		96.1	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC21948 - EPA 3510C

Blank (BC21948-BLK1)

Prepared: 03/10/2022 Analyzed: 03/11/2022

2-Methylphenol	ND	5.00	ug/L								
3- & 4-Methylphenols	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Phenol	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	23.8		"	50.0		47.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	14.6		"	50.0		29.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	25.0		"	25.0		100	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.1		"	25.0		80.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	36.1		"	50.0		72.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.2		"	25.0		88.6	30.7-106				

Blank (BC21948-BLK2)

Prepared: 03/10/2022 Analyzed: 03/11/2022

2-Methylphenol	ND	5.00	ug/L								
3- & 4-Methylphenols	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC21948 - EPA 3510C

LCS (BC21948-BS1)

Prepared: 03/10/2022 Analyzed: 03/11/2022

2-Methylphenol	16.3	5.00	ug/L	25.0		65.2	10-110				
3- & 4-Methylphenols	13.2	5.00	"	25.0		53.0	10-107				
Dibenzofuran	19.0	5.00	"	25.0		76.0	36-113				
Phenol	7.85	5.00	"	25.0		31.4	10-110				
<i>Surrogate: SURR: 2-Fluorophenol</i>	21.8		"	50.0		43.7	19.7-63.1				
<i>Surrogate: SURR: Phenol-d5</i>	13.6		"	50.0		27.2	10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	22.2		"	25.0		88.7	50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	18.2		"	25.0		72.7	39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	32.8		"	50.0		65.7	39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	19.5		"	25.0		78.0	30.7-106				

LCS (BC21948-BS2)

Prepared: 03/10/2022 Analyzed: 03/11/2022

2-Methylphenol	ND	5.00	ug/L	1.00			10-110				Low Bias
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107				Low Bias
Acenaphthene	0.630	0.0500	"	1.00		63.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Anthracene	0.550	0.0500	"	1.00		55.0	25-123				
Benzo(a)anthracene	0.670	0.0500	"	1.00		67.0	33-125				
Benzo(a)pyrene	0.420	0.0500	"	1.00		42.0	32-132				
Benzo(b)fluoranthene	0.540	0.0500	"	1.00		54.0	22-137				
Benzo(g,h,i)perylene	0.620	0.0500	"	1.00		62.0	10-138				
Benzo(k)fluoranthene	0.600	0.0500	"	1.00		60.0	20-137				
Chrysene	0.830	0.0500	"	1.00		83.0	32-124				
Dibenzo(a,h)anthracene	0.700	0.0500	"	1.00		70.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113				Low Bias
Fluoranthene	0.750	0.0500	"	1.00		75.0	32-121				
Fluorene	0.730	0.0500	"	1.00		73.0	28-118				
Hexachlorobenzene	0.700	0.0200	"	1.00		70.0	23-124				
Indeno(1,2,3-cd)pyrene	0.590	0.0500	"	1.00		59.0	15-135				
Naphthalene	0.660	0.0500	"	1.00		66.0	18-120				
Pentachlorophenol	ND	0.250	"	1.00			10-156				Low Bias
Phenanthrene	0.640	0.0500	"	1.00		64.0	24-127				
Phenol	ND	5.00	"	1.00			10-110				Low Bias
Pyrene	0.670	0.0500	"	1.00		67.0	31-132				
<i>Surrogate: SURR: 2-Fluorophenol</i>	0.00		"	50.0			19.7-63.1				
<i>Surrogate: SURR: Phenol-d5</i>	0.00		"	50.0			10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	0.00		"	25.0			50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	0.00		"	25.0			39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	0.00		"	50.0			39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	0.00		"	25.0			30.7-106				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21948 - EPA 3510C**

**LCS Dup (BC21948-BSD1)**

Prepared: 03/10/2022 Analyzed: 03/11/2022

2-Methylphenol	19.7	5.00	ug/L	25.0		78.9	10-110		19.1	20	
3- & 4-Methylphenols	15.9	5.00	"	25.0		63.7	10-107		18.4	20	
Dibenzofuran	22.8	5.00	"	25.0		91.4	36-113		18.4	20	
Phenol	9.30	5.00	"	25.0		37.2	10-110		16.9	20	
<i>Surrogate: SURR: 2-Fluorophenol</i>	26.7		"	50.0		53.3	19.7-63.1				
<i>Surrogate: SURR: Phenol-d5</i>	17.0		"	50.0		34.0	10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	27.7		"	25.0		111	50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	22.0		"	25.0		88.0	39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	40.5		"	50.0		81.0	39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	24.5		"	25.0		97.8	30.7-106				

**Batch BC22187 - EPA 3546 SVOA**

**Blank (BC22187-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	0.758		"	1.66		45.6	20-108				
<i>Surrogate: SURR: Phenol-d5</i>	0.745		"	1.66		44.9	23-114				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	0.345		"	0.831		41.5	22-108				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	0.346		"	0.831		41.6	21-113				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	0.628		"	1.66		37.8	19-110				
<i>Surrogate: SURR: Terphenyl-d14</i>	0.385		"	0.831		46.4	24-116				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22187 - EPA 3546 SVOA**

**LCS (BC22187-BS1)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

2-Methylphenol	0.465	0.0416	mg/kg wet	0.831		56.0	10-136				
3- & 4-Methylphenols	0.428	0.0416	"	0.831		51.6	29-103				
Acenaphthene	0.451	0.0416	"	0.831		54.3	30-121				
Acenaphthylene	0.457	0.0416	"	0.831		55.0	30-115				
Anthracene	0.468	0.0416	"	0.831		56.3	34-118				
Benzo(a)anthracene	0.460	0.0416	"	0.831		55.4	32-122				
Benzo(a)pyrene	0.450	0.0416	"	0.831		54.1	29-133				
Benzo(b)fluoranthene	0.506	0.0416	"	0.831		60.9	25-133				
Benzo(g,h,i)perylene	0.160	0.0416	"	0.831		19.2	10-143				
Benzo(k)fluoranthene	0.468	0.0416	"	0.831		56.4	25-128				
Chrysene	0.445	0.0416	"	0.831		53.6	32-123				
Dibenzo(a,h)anthracene	0.512	0.0416	"	0.831		61.7	10-136				
Dibenzofuran	0.432	0.0416	"	0.831		52.0	29-121				
Fluoranthene	0.471	0.0416	"	0.831		56.8	33-122				
Fluorene	0.470	0.0416	"	0.831		56.6	29-123				
Hexachlorobenzene	0.415	0.0416	"	0.831		49.9	21-124				
Indeno(1,2,3-cd)pyrene	0.494	0.0416	"	0.831		59.5	10-135				
Naphthalene	0.515	0.0416	"	0.831		62.0	23-124				
Pentachlorophenol	0.366	0.0416	"	0.831		44.1	10-139				
Phenanthrene	0.438	0.0416	"	0.831		52.7	33-123				
Phenol	0.472	0.0416	"	0.831		56.8	23-115				
Pyrene	0.411	0.0416	"	0.831		49.4	24-130				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>0.719</i>		<i>"</i>	<i>1.66</i>		<i>43.3</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>0.749</i>		<i>"</i>	<i>1.66</i>		<i>45.1</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.364</i>		<i>"</i>	<i>0.831</i>		<i>43.9</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.374</i>		<i>"</i>	<i>0.831</i>		<i>45.0</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>0.775</i>		<i>"</i>	<i>1.66</i>		<i>46.7</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.381</i>		<i>"</i>	<i>0.831</i>		<i>45.9</i>	<i>24-116</i>				





**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22187 - EPA 3546 SVOA**

<b>Matrix Spike (BC22187-MS1)</b>	<b>*Source sample: 22C0564-10 (SB-18 (0-2 ft))</b>						<b>Prepared: 03/15/2022 Analyzed: 03/17/2022</b>				
2-Methylphenol	0.619	0.0998	mg/kg dry	0.997	ND	62.1	10-136				
3- & 4-Methylphenols	0.497	0.0998	"	0.997	ND	49.8	10-123				
Acenaphthene	0.574	0.0998	"	0.997	ND	57.6	10-146				
Acenaphthylene	0.585	0.0998	"	0.997	0.0575	52.9	10-134				
Anthracene	0.594	0.0998	"	0.997	0.0693	52.7	10-142				
Benzo(a)anthracene	0.605	0.0998	"	0.997	0.169	43.7	10-158				
Benzo(a)pyrene	0.684	0.0998	"	0.997	0.172	51.3	10-180				
Benzo(b)fluoranthene	0.669	0.0998	"	0.997	0.157	51.3	10-200				
Benzo(g,h,i)perylene	1.02	0.0998	"	0.997	0.161	85.8	10-138				
Benzo(k)fluoranthene	0.604	0.0998	"	0.997	0.155	45.0	10-197				
Chrysene	0.565	0.0998	"	0.997	0.167	40.0	10-156				
Dibenzo(a,h)anthracene	0.770	0.0998	"	0.997	ND	77.3	10-137				
Dibenzofuran	0.591	0.0998	"	0.997	ND	59.3	10-147				
Fluoranthene	0.608	0.0998	"	0.997	0.284	32.5	10-160				
Fluorene	0.605	0.0998	"	0.997	ND	60.6	10-157				
Hexachlorobenzene	0.551	0.0998	"	0.997	ND	55.3	10-137				
Indeno(1,2,3-cd)pyrene	0.853	0.0998	"	0.997	0.150	70.4	10-144				
Naphthalene	0.557	0.0998	"	0.997	ND	55.8	10-141				
Pentachlorophenol	0.415	0.0998	"	0.997	ND	41.7	10-153				
Phenanthrene	0.582	0.0998	"	0.997	0.167	41.7	10-148				
Phenol	0.557	0.0998	"	0.997	ND	55.8	10-126				
Pyrene	0.619	0.0998	"	0.997	0.271	34.9	10-165				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>1.14</i>		<i>"</i>	<i>1.99</i>		<i>57.1</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>1.05</i>		<i>"</i>	<i>1.99</i>		<i>52.9</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.543</i>		<i>"</i>	<i>0.997</i>		<i>54.5</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.547</i>		<i>"</i>	<i>0.997</i>		<i>54.9</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>1.22</i>		<i>"</i>	<i>1.99</i>		<i>61.2</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.632</i>		<i>"</i>	<i>0.997</i>		<i>63.4</i>	<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22187 - EPA 3546 SVOA

Matrix Spike Dup (BC22187-MSD1)

\*Source sample: 22C0564-10 (SB-18 (0-2 ft))

Prepared: 03/15/2022 Analyzed: 03/17/2022

2-Methylphenol	0.403	0.0998	mg/kg dry	0.997	ND	40.4	10-136		42.3	30	Non-dir.
3- & 4-Methylphenols	0.326	0.0998	"	0.997	ND	32.7	10-123		41.5	30	Non-dir.
Acenaphthene	0.403	0.0998	"	0.997	ND	40.4	10-146		35.1	30	Non-dir.
Acenaphthylene	0.379	0.0998	"	0.997	0.0575	32.2	10-134		42.7	30	Non-dir.
Anthracene	0.394	0.0998	"	0.997	0.0693	32.6	10-142		40.5	30	Non-dir.
Benzo(a)anthracene	0.406	0.0998	"	0.997	0.169	23.7	10-158		39.4	30	Non-dir.
Benzo(a)pyrene	0.404	0.0998	"	0.997	0.172	23.3	10-180		51.4	30	Non-dir.
Benzo(b)fluoranthene	0.432	0.0998	"	0.997	0.157	27.6	10-200		43.0	30	Non-dir.
Benzo(g,h,i)perylene	0.656	0.0998	"	0.997	0.161	49.7	10-138		43.1	30	Non-dir.
Benzo(k)fluoranthene	0.368	0.0998	"	0.997	0.155	21.4	10-197		48.4	30	Non-dir.
Chrysene	0.381	0.0998	"	0.997	0.167	21.5	10-156		38.9	30	Non-dir.
Dibenzo(a,h)anthracene	0.498	0.0998	"	0.997	ND	50.0	10-137		42.9	30	Non-dir.
Dibenzofuran	0.394	0.0998	"	0.997	ND	39.5	10-147		40.0	30	Non-dir.
Fluoranthene	0.378	0.0998	"	0.997	0.284	9.42	10-160	Low Bias	46.6	30	Non-dir.
Fluorene	0.398	0.0998	"	0.997	ND	39.9	10-157		41.2	30	Non-dir.
Hexachlorobenzene	0.356	0.0998	"	0.997	ND	35.8	10-137		42.9	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.551	0.0998	"	0.997	0.150	40.2	10-144		43.0	30	Non-dir.
Naphthalene	0.449	0.0998	"	0.997	ND	45.0	10-141		21.4	30	
Pentachlorophenol	0.217	0.0998	"	0.997	ND	21.8	10-153		62.8	30	Non-dir.
Phenanthrene	0.376	0.0998	"	0.997	0.167	21.0	10-148		42.9	30	Non-dir.
Phenol	0.390	0.0998	"	0.997	ND	39.1	10-126		35.2	30	Non-dir.
Pyrene	0.383	0.0998	"	0.997	0.271	11.2	10-165		47.1	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	0.725		"	1.99		36.4	20-108				
Surrogate: SURR: Phenol-d5	0.740		"	1.99		37.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.372		"	0.997		37.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.382		"	0.997		38.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.781		"	1.99		39.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.390		"	0.997		39.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22191 - EPA 3546 SVOA

Blank (BC22191-BLK1)

Prepared & Analyzed: 03/15/2022

2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	1.14		"	1.66		68.4	20-108				
Surrogate: SURR: Phenol-d5	1.07		"	1.66		64.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.604		"	0.831		72.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.462		"	0.831		55.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.712		"	1.66		42.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.504		"	0.831		60.7	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22191 - EPA 3546 SVOA

LCS (BC22191-BS1)

Prepared & Analyzed: 03/15/2022

2-Methylphenol	0.627	0.0416	mg/kg wet	0.831		75.5	10-136				
3- & 4-Methylphenols	0.559	0.0416	"	0.831		67.3	29-103				
Acenaphthene	0.579	0.0416	"	0.831		69.7	30-121				
Acenaphthylene	0.560	0.0416	"	0.831		67.5	30-115				
Anthracene	0.621	0.0416	"	0.831		74.7	34-118				
Benzo(a)anthracene	0.630	0.0416	"	0.831		75.8	32-122				
Benzo(a)pyrene	0.573	0.0416	"	0.831		69.0	29-133				
Benzo(b)fluoranthene	0.579	0.0416	"	0.831		69.7	25-133				
Benzo(g,h,i)perylene	0.539	0.0416	"	0.831		64.9	10-143				
Benzo(k)fluoranthene	0.601	0.0416	"	0.831		72.3	25-128				
Chrysene	0.589	0.0416	"	0.831		70.9	32-123				
Dibenzo(a,h)anthracene	0.586	0.0416	"	0.831		70.6	10-136				
Dibenzofuran	0.576	0.0416	"	0.831		69.4	29-121				
Fluoranthene	0.639	0.0416	"	0.831		77.0	33-122				
Fluorene	0.607	0.0416	"	0.831		73.1	29-123				
Hexachlorobenzene	0.520	0.0416	"	0.831		62.6	21-124				
Indeno(1,2,3-cd)pyrene	0.551	0.0416	"	0.831		66.4	10-135				
Naphthalene	0.531	0.0416	"	0.831		63.9	23-124				
Pentachlorophenol	0.300	0.0416	"	0.831		36.1	10-139				
Phenanthrene	0.562	0.0416	"	0.831		67.7	33-123				
Phenol	0.598	0.0416	"	0.831		72.0	23-115				
Pyrene	0.608	0.0416	"	0.831		73.2	24-130				
Surrogate: SURR: 2-Fluorophenol	1.40		"	1.66		84.4	20-108				
Surrogate: SURR: Phenol-d5	1.34		"	1.66		80.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.723		"	0.831		87.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.577		"	0.831		69.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.991		"	1.66		59.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.643		"	0.831		77.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22191 - EPA 3546 SVOA

Matrix Spike (BC22191-MS1)	*Source sample: 22C0564-04 (SB-13 (2-4 ft))						Prepared & Analyzed: 03/15/2022				
2-Methylphenol	0.457	0.457	mg/kg dry	0.914	ND	50.0	10-136				
3- & 4-Methylphenols	0.336	0.457	"	0.914	ND	36.8	10-123				
Acenaphthene	0.768	0.457	"	0.914	ND	84.0	10-146				
Acenaphthylene	0.746	0.457	"	0.914	ND	81.6	10-134				
Anthracene	0.866	0.457	"	0.914	ND	94.8	10-142				
Benzo(a)anthracene	1.44	0.457	"	0.914	ND	157	10-158				
Benzo(a)pyrene	1.22	0.457	"	0.914	ND	133	10-180				
Benzo(b)fluoranthene	1.01	0.457	"	0.914	ND	110	10-200				
Benzo(g,h,i)perylene	0.848	0.457	"	0.914	ND	92.8	10-138				
Benzo(k)fluoranthene	1.27	0.457	"	0.914	ND	139	10-197				
Chrysene	1.48	0.457	"	0.914	ND	162	10-156	High Bias			
Dibenzo(a,h)anthracene	0.771	0.457	"	0.914	ND	84.4	10-137				
Dibenzofuran	0.702	0.457	"	0.914	ND	76.8	10-147				
Fluoranthene	2.29	0.457	"	0.914	ND	251	10-160	High Bias			
Fluorene	0.695	0.457	"	0.914	ND	76.0	10-157				
Hexachlorobenzene	ND	0.457	"	0.914	ND		10-137	Low Bias			
Indeno(1,2,3-cd)pyrene	1.02	0.457	"	0.914	ND	111	10-144				
Naphthalene	0.673	0.457	"	0.914	ND	73.6	10-141				
Pentachlorophenol	ND	0.457	"	0.914	ND		10-153	Low Bias			
Phenanthrene	1.26	0.457	"	0.914	ND	138	10-148				
Phenol	0.662	0.457	"	0.914	ND	72.4	10-126				
Pyrene	1.97	0.457	"	0.914	ND	216	10-165	High Bias			
Surrogate: SURR: 2-Fluorophenol	0.940		"	1.83		51.4	20-108				
Surrogate: SURR: Phenol-d5	0.877		"	1.83		48.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.611		"	0.914		66.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.570		"	0.914		62.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.41		"	1.83		77.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.724		"	0.914		79.2	24-116				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22191 - EPA 3546 SVOA**

<b>Matrix Spike Dup (BC22191-MSD1)</b>	<b>*Source sample: 22C0564-04 (SB-13 (2-4 ft))</b>					<b>Prepared &amp; Analyzed: 03/15/2022</b>					
2-Methylphenol	ND	0.457	mg/kg dry	0.914	ND		10-136	Low Bias		30	
3- & 4-Methylphenols	ND	0.457	"	0.914	ND		10-123	Low Bias		30	
Acenaphthene	0.654	0.457	"	0.914	ND	71.6	10-146		15.9	30	
Acenaphthylene	0.490	0.457	"	0.914	ND	53.6	10-134		41.4	30	Non-dir.
Anthracene	0.578	0.457	"	0.914	ND	63.2	10-142		40.0	30	Non-dir.
Benzo(a)anthracene	0.804	0.457	"	0.914	ND	88.0	10-158		56.4	30	Non-dir.
Benzo(a)pyrene	0.687	0.457	"	0.914	ND	75.2	10-180		55.7	30	Non-dir.
Benzo(b)fluoranthene	0.596	0.457	"	0.914	ND	65.2	10-200		51.1	30	Non-dir.
Benzo(g,h,i)perylene	0.526	0.457	"	0.914	ND	57.6	10-138		46.8	30	Non-dir.
Benzo(k)fluoranthene	0.603	0.457	"	0.914	ND	66.0	10-197		71.1	30	Non-dir.
Chrysene	0.826	0.457	"	0.914	ND	90.4	10-156		56.7	30	Non-dir.
Dibenzo(a,h)anthracene	0.526	0.457	"	0.914	ND	57.6	10-137		37.7	30	Non-dir.
Dibenzofuran	0.486	0.457	"	0.914	ND	53.2	10-147		36.3	30	Non-dir.
Fluoranthene	1.02	0.457	"	0.914	ND	111	10-160		77.1	30	Non-dir.
Fluorene	0.556	0.457	"	0.914	ND	60.8	10-157		22.2	30	
Hexachlorobenzene	ND	0.457	"	0.914	ND		10-137	Low Bias		30	
Indeno(1,2,3-cd)pyrene	0.589	0.457	"	0.914	ND	64.4	10-144		53.3	30	Non-dir.
Naphthalene	0.486	0.457	"	0.914	ND	53.2	10-141		32.2	30	Non-dir.
Pentachlorophenol	ND	0.457	"	0.914	ND		10-153	Low Bias		30	
Phenanthrene	0.753	0.457	"	0.914	ND	82.4	10-148		50.5	30	Non-dir.
Phenol	ND	0.457	"	0.914	ND		10-126	Low Bias		30	
Pyrene	1.02	0.457	"	0.914	ND	112	10-165		63.7	30	Non-dir.
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>0.486</i>		<i>"</i>	<i>1.83</i>		<i>26.6</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>0.534</i>		<i>"</i>	<i>1.83</i>		<i>29.2</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.490</i>		<i>"</i>	<i>0.914</i>		<i>53.6</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.186</i>		<i>"</i>	<i>0.914</i>		<i>20.4</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>1.11</i>		<i>"</i>	<i>1.83</i>		<i>60.6</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.450</i>		<i>"</i>	<i>0.914</i>		<i>49.2</i>	<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22374 - EPA 3546 SVOA

Blank (BC22374-BLK1)

Prepared & Analyzed: 03/17/2022

2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	1.32		"	1.66		79.6	20-108				
Surrogate: SURR: Phenol-d5	1.21		"	1.66		73.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.688		"	0.831		82.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.559		"	0.831		67.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.844		"	1.66		50.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.598		"	0.831		72.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22374 - EPA 3546 SVOA

LCS (BC22374-BS1)

Prepared & Analyzed: 03/17/2022

2-Methylphenol	0.528	0.0416	mg/kg wet	0.831		63.6	10-136				
3- & 4-Methylphenols	0.354	0.0416	"	0.831		42.6	29-103				
Acenaphthene	0.495	0.0416	"	0.831		59.6	30-121				
Acenaphthylene	0.481	0.0416	"	0.831		57.9	30-115				
Anthracene	0.532	0.0416	"	0.831		64.0	34-118				
Benzo(a)anthracene	0.522	0.0416	"	0.831		62.8	32-122				
Benzo(a)pyrene	0.487	0.0416	"	0.831		58.6	29-133				
Benzo(b)fluoranthene	0.519	0.0416	"	0.831		62.5	25-133				
Benzo(g,h,i)perylene	0.481	0.0416	"	0.831		57.9	10-143				
Benzo(k)fluoranthene	0.509	0.0416	"	0.831		61.3	25-128				
Chrysene	0.495	0.0416	"	0.831		59.6	32-123				
Dibenzo(a,h)anthracene	0.508	0.0416	"	0.831		61.1	10-136				
Dibenzofuran	0.480	0.0416	"	0.831		57.8	29-121				
Fluoranthene	0.521	0.0416	"	0.831		62.8	33-122				
Fluorene	0.503	0.0416	"	0.831		60.6	29-123				
Hexachlorobenzene	0.437	0.0416	"	0.831		52.6	21-124				
Indeno(1,2,3-cd)pyrene	0.474	0.0416	"	0.831		57.1	10-135				
Naphthalene	0.460	0.0416	"	0.831		55.4	23-124				
Pentachlorophenol	0.186	0.0416	"	0.831		22.4	10-139				
Phenanthrene	0.480	0.0416	"	0.831		57.8	33-123				
Phenol	0.0269	0.0416	"	0.831		3.24	23-115	Low Bias			
Pyrene	0.518	0.0416	"	0.831		62.4	24-130				
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Surrogate: SURR: 2-Fluorophenol	1.13		"	1.66		67.7	20-108				
Surrogate: SURR: Phenol-d5	1.05		"	1.66		63.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.597		"	0.831		71.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.464		"	0.831		55.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.751		"	1.66		45.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.482		"	0.831		58.0	24-116				





Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22374 - EPA 3546 SVOA

Matrix Spike (BC22374-MS1)	*Source sample: 22C0739-01 (Matrix Spike)						Prepared: 03/17/2022 Analyzed: 03/18/2022				
2-Methylphenol	0.487	0.0906	mg/kg dry	0.905	ND	53.8	10-136				
3- & 4-Methylphenols	0.327	0.0906	"	0.905	ND	36.2	10-123				
Acenaphthene	0.476	0.0906	"	0.905	ND	52.6	10-146				
Acenaphthylene	0.451	0.0906	"	0.905	ND	49.8	10-134				
Anthracene	0.502	0.0906	"	0.905	ND	55.5	10-142				
Benzo(a)anthracene	0.523	0.0906	"	0.905	ND	57.8	10-158				
Benzo(a)pyrene	0.497	0.0906	"	0.905	ND	55.0	10-180				
Benzo(b)fluoranthene	0.517	0.0906	"	0.905	ND	57.1	10-200				
Benzo(g,h,i)perylene	0.403	0.0906	"	0.905	ND	44.6	10-138				
Benzo(k)fluoranthene	0.505	0.0906	"	0.905	ND	55.8	10-197				
Chrysene	0.489	0.0906	"	0.905	ND	54.1	10-156				
Dibenzo(a,h)anthracene	0.444	0.0906	"	0.905	ND	49.1	10-137				
Dibenzofuran	0.470	0.0906	"	0.905	ND	52.0	10-147				
Fluoranthene	0.552	0.0906	"	0.905	ND	61.0	10-160				
Fluorene	0.489	0.0906	"	0.905	ND	54.0	10-157				
Hexachlorobenzene	0.421	0.0906	"	0.905	ND	46.5	10-137				
Indeno(1,2,3-cd)pyrene	0.413	0.0906	"	0.905	ND	45.6	10-144				
Naphthalene	0.438	0.0906	"	0.905	ND	48.4	10-141				
Pentachlorophenol	0.168	0.0906	"	0.905	ND	18.6	10-153				
Phenanthrene	0.476	0.0906	"	0.905	ND	52.6	10-148				
Phenol	ND	0.0906	"	0.905	ND		10-126	Low Bias			
Pyrene	0.502	0.0906	"	0.905	ND	55.4	10-165				
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Surrogate: SURR: 2-Fluorophenol	1.09		"	1.81		60.2	20-108				
Surrogate: SURR: Phenol-d5	1.01		"	1.81		55.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.571		"	0.905		63.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.449		"	0.905		49.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.719		"	1.81		39.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.444		"	0.905		49.0	24-116				



**Semivolatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22374 - EPA 3546 SVOA</b>											
<b>Matrix Spike Dup (BC22374-MSD1)</b>	*Source sample: 22C0739-01 (Matrix Spike Dup)						Prepared: 03/17/2022 Analyzed: 03/18/2022				
2-Methylphenol	0.630	0.0906	mg/kg dry	0.905	ND	69.7	10-136		25.6	30	
3- & 4-Methylphenols	0.423	0.0906	"	0.905	ND	46.7	10-123		25.5	30	
Acenaphthene	0.598	0.0906	"	0.905	ND	66.1	10-146		22.6	30	
Acenaphthylene	0.583	0.0906	"	0.905	ND	64.5	10-134		25.6	30	
Anthracene	0.672	0.0906	"	0.905	ND	74.2	10-142		28.9	30	
Benzo(a)anthracene	0.689	0.0906	"	0.905	ND	76.2	10-158		27.5	30	
Benzo(a)pyrene	0.657	0.0906	"	0.905	ND	72.6	10-180		27.7	30	
Benzo(b)fluoranthene	0.655	0.0906	"	0.905	ND	72.4	10-200		23.6	30	
Benzo(g,h,i)perylene	0.568	0.0906	"	0.905	ND	62.8	10-138		34.0	30	Non-dir.
Benzo(k)fluoranthene	0.679	0.0906	"	0.905	ND	75.0	10-197		29.3	30	
Chrysene	0.647	0.0906	"	0.905	ND	71.5	10-156		27.8	30	
Dibenzo(a,h)anthracene	0.610	0.0906	"	0.905	ND	67.4	10-137		31.4	30	Non-dir.
Dibenzofuran	0.596	0.0906	"	0.905	ND	65.9	10-147		23.6	30	
Fluoranthene	0.741	0.0906	"	0.905	ND	81.9	10-160		29.3	30	
Fluorene	0.621	0.0906	"	0.905	ND	68.6	10-157		23.9	30	
Hexachlorobenzene	0.568	0.0906	"	0.905	ND	62.8	10-137		29.9	30	
Indeno(1,2,3-cd)pyrene	0.617	0.0906	"	0.905	ND	68.2	10-144		39.8	30	Non-dir.
Naphthalene	0.565	0.0906	"	0.905	ND	62.4	10-141		25.3	30	
Pentachlorophenol	0.199	0.0906	"	0.905	ND	22.0	10-153		17.0	30	
Phenanthrene	0.646	0.0906	"	0.905	ND	71.4	10-148		30.5	30	Non-dir.
Phenol	ND	0.0906	"	0.905	ND		10-126	Low Bias		30	
Pyrene	0.669	0.0906	"	0.905	ND	73.9	10-165		28.6	30	
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>1.36</i>		<i>"</i>	<i>1.81</i>		<i>75.4</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>1.27</i>		<i>"</i>	<i>1.81</i>		<i>70.4</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.731</i>		<i>"</i>	<i>0.905</i>		<i>80.8</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.565</i>		<i>"</i>	<i>0.905</i>		<i>62.5</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>0.921</i>		<i>"</i>	<i>1.81</i>		<i>50.9</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.565</i>		<i>"</i>	<i>0.905</i>		<i>62.5</i>	<i>24-116</i>				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC21898 - EPA SW846-3510C Low Level</b>											
<b>LCS (BC21898-BS1)</b>											
										Prepared: 03/10/2022 Analyzed: 03/11/2022	
4,4'-DDD	0.0865	0.00400	ug/L	0.100		86.5	40-140			20	
4,4'-DDE	0.0716	0.00400	"	0.100		71.6	40-140			20	
4,4'-DDT	0.0902	0.00400	"	0.100		90.2	40-140			20	
Aldrin	0.0713	0.00400	"	0.100		71.3	40-140			20	
alpha-BHC	0.0835	0.00400	"	0.100		83.5	40-140			20	
alpha-Chlordane	0.0773	0.00400	"	0.100		77.3	40-140			20	
beta-BHC	0.0747	0.00400	"	0.100		74.7	40-140			20	
delta-BHC	0.0768	0.00400	"	0.100		76.8	40-140			20	
Dieldrin	0.0815	0.00200	"	0.100		81.5	40-140			20	
Endosulfan I	0.0824	0.00400	"	0.100		82.4	40-140			20	
Endosulfan II	0.0779	0.00400	"	0.100		77.9	40-140			20	
Endosulfan sulfate	0.0656	0.00400	"	0.100		65.6	40-140			20	
Endrin	0.0912	0.00400	"	0.100		91.2	40-140			20	
Endrin aldehyde	0.0994	0.0100	"	0.100		99.4	40-140			20	
Endrin ketone	0.0990	0.0100	"	0.100		99.0	40-140			20	
gamma-BHC (Lindane)	0.0876	0.00400	"	0.100		87.6	40-140			20	
gamma-Chlordane	0.0799	0.0100	"	0.100		79.9	40-140			20	
Heptachlor	0.0900	0.00400	"	0.100		90.0	40-140			20	
Heptachlor epoxide	0.0791	0.00400	"	0.100		79.1	40-140			20	
Methoxychlor	0.110	0.00400	"	0.100		110	40-140			20	
Surrogate: Decachlorobiphenyl	0.106		"	0.200		53.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0832		"	0.200		41.6	30-150				
<b>LCS Dup (BC21898-BSD1)</b>											
										Prepared: 03/10/2022 Analyzed: 03/11/2022	
4,4'-DDD	0.0867	0.00400	ug/L	0.100		86.7	40-140		0.301	20	
4,4'-DDE	0.0698	0.00400	"	0.100		69.8	40-140		2.57	20	
4,4'-DDT	0.0937	0.00400	"	0.100		93.7	40-140		3.78	20	
Aldrin	0.0678	0.00400	"	0.100		67.8	40-140		5.05	20	
alpha-BHC	0.0796	0.00400	"	0.100		79.6	40-140		4.84	20	
alpha-Chlordane	0.0741	0.00400	"	0.100		74.1	40-140		4.23	20	
beta-BHC	0.0723	0.00400	"	0.100		72.3	40-140		3.18	20	
delta-BHC	0.0747	0.00400	"	0.100		74.7	40-140		2.75	20	
Dieldrin	0.0792	0.00200	"	0.100		79.2	40-140		2.95	20	
Endosulfan I	0.0789	0.00400	"	0.100		78.9	40-140		4.26	20	
Endosulfan II	0.0767	0.00400	"	0.100		76.7	40-140		1.51	20	
Endosulfan sulfate	0.0648	0.00400	"	0.100		64.8	40-140		1.24	20	
Endrin	0.0898	0.00400	"	0.100		89.8	40-140		1.56	20	
Endrin aldehyde	0.0965	0.0100	"	0.100		96.5	40-140		3.00	20	
Endrin ketone	0.0983	0.0100	"	0.100		98.3	40-140		0.651	20	
gamma-BHC (Lindane)	0.0835	0.00400	"	0.100		83.5	40-140		4.75	20	
gamma-Chlordane	0.0766	0.0100	"	0.100		76.6	40-140		4.18	20	
Heptachlor	0.0852	0.00400	"	0.100		85.2	40-140		5.53	20	
Heptachlor epoxide	0.0756	0.00400	"	0.100		75.6	40-140		4.49	20	
Methoxychlor	0.115	0.00400	"	0.100		115	40-140		4.55	20	
Surrogate: Decachlorobiphenyl	0.114		"	0.200		57.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.0775		"	0.200		38.7	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22188 - EPA 3550C**

**Blank (BC22188-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Surrogate: Decachlorobiphenyl	0.0645		"	0.0664		97.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0581		"	0.0664		87.4	30-150				

**LCS (BC22188-BS1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

4,4'-DDD	0.0459	0.00164	mg/kg wet	0.0332		138	40-140				
4,4'-DDE	0.0368	0.00164	"	0.0332		111	40-140				
4,4'-DDT	0.0224	0.00164	"	0.0332		67.3	40-140				
Aldrin	0.0482	0.00164	"	0.0332		145	40-140	High Bias			
alpha-BHC	0.0527	0.00164	"	0.0332		158	40-140	High Bias			
alpha-Chlordane	0.0461	0.00164	"	0.0332		139	40-140				
beta-BHC	0.0451	0.00164	"	0.0332		136	40-140				
delta-BHC	0.0436	0.00164	"	0.0332		131	40-140				
Dieldrin	0.0462	0.00164	"	0.0332		139	40-140				
Endosulfan I	0.0463	0.00164	"	0.0332		139	40-140				
Endosulfan II	0.0436	0.00164	"	0.0332		131	40-140				
Endosulfan sulfate	0.0356	0.00164	"	0.0332		107	40-140				
Endrin	0.0395	0.00164	"	0.0332		119	40-140				
gamma-BHC (Lindane)	0.0513	0.00164	"	0.0332		154	40-140	High Bias			
Heptachlor	0.0459	0.00164	"	0.0332		138	40-140				
Surrogate: Decachlorobiphenyl	0.0628		"	0.0664		94.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0520		"	0.0664		78.2	30-150				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22189 - EPA 3550C**

**Blank (BC22189-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Surrogate: Decachlorobiphenyl	0.0646		"	0.0664		97.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0577		"	0.0664		86.8	30-150				

**LCS (BC22189-BS1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

4,4'-DDD	0.0395	0.00164	mg/kg wet	0.0332		119	40-140				
4,4'-DDE	0.0298	0.00164	"	0.0332		89.7	40-140				
4,4'-DDT	0.0170	0.00164	"	0.0332		51.2	40-140				
Aldrin	0.0406	0.00164	"	0.0332		122	40-140				
alpha-BHC	0.0452	0.00164	"	0.0332		136	40-140				
alpha-Chlordane	0.0382	0.00164	"	0.0332		115	40-140				
beta-BHC	0.0400	0.00164	"	0.0332		120	40-140				
delta-BHC	0.0383	0.00164	"	0.0332		115	40-140				
Dieldrin	0.0382	0.00164	"	0.0332		115	40-140				
Endosulfan I	0.0443	0.00164	"	0.0332		133	40-140				
Endosulfan II	0.0367	0.00164	"	0.0332		111	40-140				
Endosulfan sulfate	0.0314	0.00164	"	0.0332		94.5	40-140				
Endrin	0.0322	0.00164	"	0.0332		97.0	40-140				
gamma-BHC (Lindane)	0.0450	0.00164	"	0.0332		135	40-140				
Heptachlor	0.0373	0.00164	"	0.0332		112	40-140				
Surrogate: Decachlorobiphenyl	0.0630		"	0.0664		94.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0536		"	0.0664		80.6	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21898 - EPA SW846-3510C Low Level**

**Blank (BC21898-BLK2)**

Prepared & Analyzed: 03/10/2022

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.167		"	0.200		83.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.167		"	0.200		83.5	30-150				

**LCS (BC21898-BS2)**

Prepared & Analyzed: 03/10/2022

Aroclor 1016	0.926	0.0500	ug/L	1.00		92.6	40-120			20	
Aroclor 1260	0.922	0.0500	"	1.00		92.2	40-120			20	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.152		"	0.200		76.0	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.109		"	0.200		54.5	30-150				

**LCS Dup (BC21898-BS2)**

Prepared & Analyzed: 03/10/2022

Aroclor 1016	0.833	0.0500	ug/L	1.00		83.3	40-120		10.6	20	
Aroclor 1260	0.809	0.0500	"	1.00		80.9	40-120		13.1	20	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.135		"	0.200		67.5	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	0.118		"	0.200		59.0	30-150				

**Batch BC22188 - EPA 3550C**

**Blank (BC22188-BLK2)**

Prepared & Analyzed: 03/15/2022

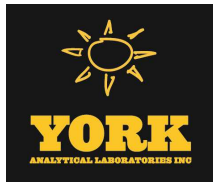
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0671		"	0.0664		101	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0794		"	0.0664		120	30-120				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22188 - EPA 3550C</b>											
<b>LCS (BC22188-BS2)</b>											
						Prepared & Analyzed: 03/15/2022					
Aroclor 1016	0.324	0.0166	mg/kg wet	0.332		97.5	40-130				
Aroclor 1260	0.382	0.0166	"	0.332		115	40-130				
Surrogate: Tetrachloro-m-xylene	0.0515		"	0.0664		77.5	30-120				
Surrogate: Decachlorobiphenyl	0.0711		"	0.0664		107	30-120				
<b>Matrix Spike (BC22188-MS2)</b>											
*Source sample: 22C0564-10 (SB-18 (0-2 ft))						Prepared: 03/15/2022 Analyzed: 03/18/2022					
Aroclor 1016	0.379	0.0199	mg/kg dry	0.399	ND	95.1	40-140				
Aroclor 1260	0.383	0.0199	"	0.399	ND	96.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.0674		"	0.0797		84.5	30-120				
Surrogate: Decachlorobiphenyl	0.0618		"	0.0797		77.5	30-120				
<b>Matrix Spike Dup (BC22188-MSD2)</b>											
*Source sample: 22C0564-10 (SB-18 (0-2 ft))						Prepared: 03/15/2022 Analyzed: 03/18/2022					
Aroclor 1016	0.389	0.0199	mg/kg dry	0.399	ND	97.5	40-140		2.41	50	
Aroclor 1260	0.394	0.0199	"	0.399	ND	98.7	40-140		2.79	50	
Surrogate: Tetrachloro-m-xylene	0.0690		"	0.0797		86.5	30-120				
Surrogate: Decachlorobiphenyl	0.0618		"	0.0797		77.5	30-120				
<b>Batch BC22189 - EPA 3550C</b>											
<b>Blank (BC22189-BLK2)</b>											
						Prepared: 03/15/2022 Analyzed: 03/16/2022					
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0631		"	0.0664		95.0	30-120				
Surrogate: Decachlorobiphenyl	0.0698		"	0.0664		105	30-120				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22189 - EPA 3550C**

**LCS (BC22189-BS2)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

Aroclor 1016	0.306	0.0166	mg/kg wet	0.332		92.2	40-130				
Aroclor 1260	0.365	0.0166	"	0.332		110	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0608</i>		"	<i>0.0664</i>		<i>91.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0801</i>		"	<i>0.0664</i>		<i>120</i>	<i>30-120</i>				





**Chlorinated Herbicides by GC/ECD - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC21949 - EPA 8151A</b>											
<b>Blank (BC21949-BLK1)</b>											Prepared: 03/10/2022 Analyzed: 03/14/2022
2,4,5-TP (Silvex)	ND	5.00	ug/L								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	87.5		"	125		70.0	30-150				
<b>LCS (BC21949-BS1)</b>											Prepared: 03/10/2022 Analyzed: 03/14/2022
2,4,5-TP (Silvex)	20.5	5.00	ug/L	40.0		51.2	10-139				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	74.2		"	125		59.4	30-150				
<b>LCS Dup (BC21949-BSD1)</b>											Prepared: 03/10/2022 Analyzed: 03/14/2022
2,4,5-TP (Silvex)	19.0	5.00	ug/L	40.0		47.5	10-139		7.59	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	68.0		"	125		54.4	30-150				
<b>Batch BC22231 - EPA 3550C/8151A</b>											
<b>Blank (BC22231-BLK1)</b>											Prepared: 03/15/2022 Analyzed: 03/16/2022
2,4,5-TP (Silvex)	ND	0.0199	mg/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.238		"	0.415		57.2	21-150				
<b>LCS (BC22231-BS1)</b>											Prepared: 03/15/2022 Analyzed: 03/16/2022
2,4,5-TP (Silvex)	0.0573	0.0199	mg/kg wet	0.133		43.1	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.276		"	0.415		66.4	21-150				
<b>Matrix Spike (BC22231-MS1)</b>											*Source sample: 22C0564-10 (SB-18 (0-2 ft)) Prepared: 03/15/2022 Analyzed: 03/16/2022
2,4,5-TP (Silvex)	0.0598	0.0239	mg/kg dry	0.159	ND	37.5	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.288		"	0.498		57.8	21-150				
<b>Matrix Spike Dup (BC22231-MSD1)</b>											*Source sample: 22C0564-10 (SB-18 (0-2 ft)) Prepared: 03/15/2022 Analyzed: 03/16/2022
2,4,5-TP (Silvex)	0.0608	0.0239	mg/kg dry	0.159	ND	38.1	10-120		1.65	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.295		"	0.498		59.2	21-150				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21957 - EPA 3015A**

**Blank (BC21957-BLK1)**

Prepared: 03/10/2022 Analyzed: 03/11/2022

Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Beryllium	ND	0.0006	"								
Cadmium	ND	0.003	"								
Chromium	0.006	0.006	"								
Copper	ND	0.022	"								
Lead	ND	0.006	"								
Manganese	ND	0.006	"								
Nickel	ND	0.011	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
Zinc	ND	0.028	"								

**LCS (BC21957-BS1)**

Prepared: 03/10/2022 Analyzed: 03/11/2022

Arsenic	1.74		ug/mL	2.00		86.9	80-120				
Barium	2.02		"	2.00		101	80-120				
Beryllium	0.047		"	0.0500		94.4	80-120				
Cadmium	0.046		"	0.0500		91.0	80-120				
Chromium	0.195		"	0.200		97.6	80-120				
Copper	0.259		"	0.250		103	80-120				
Lead	0.492		"	0.500		98.5	80-120				
Manganese	0.501		"	0.500		100	80-120				
Nickel	0.479		"	0.500		95.8	80-120				
Selenium	1.46		"	2.00		73.0	80-120	Low Bias			
Silver	0.050		"	0.0500		100	80-120				
Zinc	0.486		"	0.500		97.2	80-120				

**Duplicate (BC21957-DUP1)**

\*Source sample: 22C0564-11 (EB-01)

Prepared: 03/10/2022 Analyzed: 03/11/2022

Arsenic	ND	0.017	mg/L		ND					20	
Barium	ND	0.028	"		ND					20	
Beryllium	ND	0.0006	"		ND					20	
Cadmium	ND	0.003	"		ND					20	
Chromium	ND	0.006	"		ND					20	
Copper	ND	0.022	"		ND					20	
Lead	ND	0.006	"		ND					20	
Manganese	ND	0.006	"		ND					20	
Nickel	ND	0.011	"		ND					20	
Selenium	ND	0.028	"		ND					20	
Silver	ND	0.006	"		ND					20	
Zinc	ND	0.028	"		ND					20	



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC21957 - EPA 3015A**

<b>Matrix Spike (BC21957-MS1)</b>	*Source sample: 22C0564-11 (EB-01)						Prepared: 03/10/2022 Analyzed: 03/11/2022				
Arsenic	1.79	0.017	mg/L	2.22	ND	80.6	75-125				
Barium	2.15	0.028	"	2.22	ND	96.8	75-125				
Beryllium	0.051	0.0006	"	0.0556	ND	91.7	75-125				
Cadmium	0.048	0.003	"	0.0556	ND	86.1	75-125				
Chromium	0.204	0.006	"	0.222	ND	91.9	75-125				
Copper	0.288	0.022	"	0.278	ND	104	75-125				
Lead	0.523	0.006	"	0.556	ND	94.1	75-125				
Manganese	0.535	0.006	"	0.556	ND	96.2	75-125				
Nickel	0.513	0.011	"	0.556	ND	92.4	75-125				
Selenium	1.53	0.028	"	2.22	ND	68.8	75-125	Low Bias			
Silver	0.053	0.006	"	0.0556	ND	95.8	75-125				
Zinc	0.510	0.028	"	0.556	ND	91.8	75-125				

<b>Post Spike (BC21957-PS1)</b>	*Source sample: 22C0564-11 (EB-01)						Prepared: 03/10/2022 Analyzed: 03/11/2022				
Arsenic	1.76		ug/mL	2.00	-0.001	87.9	75-125				
Barium	2.10		"	2.00	0.0002	105	75-125				
Beryllium	0.050		"	0.0500	-0.0001	99.5	75-125				
Cadmium	0.047		"	0.0500	0.00005	93.6	75-125				
Chromium	0.200		"	0.200	0.004	97.6	75-125				
Copper	0.282		"	0.250	0.001	112	75-125				
Lead	0.510		"	0.500	0.001	102	75-125				
Manganese	0.522		"	0.500	0.0004	104	75-125				
Nickel	0.498		"	0.500	0.004	98.8	75-125				
Selenium	1.49		"	2.00	0.005	74.2	75-125	Low Bias			
Silver	0.025		"	0.0500	-0.0004	49.7	75-125	Low Bias			
Zinc	0.499		"	0.500	0.018	96.3	75-125				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22265 - EPA 3050B**

**Blank (BC22265-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	0.539	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

**Duplicate (BC22265-DUP1)**

\*Source sample: 22C0564-05 (SB-14 (0-2 ft))

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	3.55	1.68	mg/kg dry		7.10				66.7	35	Non-dir.
Barium	127	2.80	"		125				2.11	35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	ND	0.337	"		ND					35	
Chromium	20.9	0.561	"		23.4				11.1	35	
Copper	18.3	2.24	"		19.9				8.35	35	
Lead	98.6	0.561	"		100				1.83	35	
Manganese	302	0.561	"		291				3.65	35	
Nickel	9.09	1.12	"		12.0				27.2	35	
Selenium	ND	2.80	"		ND					35	
Silver	ND	0.561	"		ND					35	
Zinc	81.9	2.80	"		79.5				2.93	35	

**Matrix Spike (BC22265-MS1)**

\*Source sample: 22C0564-05 (SB-14 (0-2 ft))

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	241	1.68	mg/kg dry	224	7.10	104	75-125				
Barium	474	2.80	"	224	125	156	75-125	High Bias			
Beryllium	5.67	0.056	"	5.61	ND	101	75-125				
Cadmium	6.17	0.337	"	5.61	ND	110	75-125				
Chromium	45.4	0.561	"	22.4	23.4	97.9	75-125				
Copper	56.9	2.24	"	28.0	19.9	132	75-125	High Bias			
Lead	188	0.561	"	56.1	100	156	75-125	High Bias			
Manganese	354	0.561	"	56.1	291	112	75-125				
Nickel	76.1	1.12	"	56.1	12.0	114	75-125				
Selenium	191	2.80	"	224	ND	85.1	75-125				
Silver	6.73	0.561	"	5.61	ND	120	75-125				
Zinc	160	2.80	"	56.1	79.5	144	75-125	High Bias			



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit		Level	Result					RPD	

**Batch BC22265 - EPA 3050B**

<b>Post Spike (BC22265-PS1)</b>	<b>*Source sample: 22C0564-05 (SB-14 (0-2 ft))</b>					<b>Prepared: 03/15/2022 Analyzed: 03/16/2022</b>					
Arsenic	2.12		ug/mL	2.00	0.063	103	75-125				
Barium	3.41		"	2.00	1.11	115	75-125				
Beryllium	0.048		"	0.0500	-0.010	96.8	75-125				
Cadmium	0.054		"	0.0500	0.0003	107	75-125				
Chromium	0.430		"	0.200	0.208	111	75-125				
Copper	0.494		"	0.250	0.178	127	75-125		High Bias		
Lead	1.44		"	0.500	0.895	109	75-125				
Manganese	3.17		"	0.500	2.60	114	75-125				
Nickel	0.678		"	0.500	0.107	114	75-125				
Selenium	1.64		"	2.00	-0.161	81.9	75-125				
Silver	0.021		"	0.0500	0.003	36.4	75-125		Low Bias		
Zinc	1.23		"	0.500	0.709	105	75-125				

<b>Reference (BC22265-SRM1)</b>						<b>Prepared: 03/15/2022 Analyzed: 03/16/2022</b>					
Arsenic	109	1.50	mg/kg wet	109		99.7	63.7-118.3				
Barium	401	2.50	"	364		110	70.3-117				
Beryllium	59.1	0.050	"	57.0		104	69.3-115.4				
Cadmium	46.9	0.300	"	48.7		96.4	67.8-112.9				
Chromium	182	0.500	"	173		105	65.3-120.8				
Copper	218	2.00	"	179		122	70.9-117.9		High Bias		
Lead	118	0.500	"	101		117	69.1-126.7				
Manganese	437	0.500	"	370		118	72.2-119.2				
Nickel	59.5	1.00	"	52.2		114	63.4-117.8				
Selenium	61.3	2.50	"	104		59.0	58.5-122.1				
Silver	30.6	0.500	"	29.9		102	63.5-123.7				
Zinc	426	2.50	"	431		98.8	74.9-121.1				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22280 - EPA 3050B**

**Blank (BC22280-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	0.685	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								

**Duplicate (BC22280-DUP1)**

\*Source sample: 22C0564-10 (SB-18 (0-2 ft))

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	3.95	1.80	mg/kg dry		2.45				47.0	35	Non-dir.
Barium	430	3.00	"		87.4				132	35	Non-dir.
Beryllium	ND	0.060	"		ND					35	
Cadmium	ND	0.360	"		ND					35	
Chromium	24.9	0.600	"		24.9				0.291	35	
Copper	21.9	2.40	"		18.2				18.6	35	
Lead	325	0.600	"		84.6				117	35	Non-dir.
Manganese	587	0.600	"		497				16.6	35	
Nickel	20.3	1.20	"		20.4				0.340	35	
Selenium	ND	3.00	"		ND					35	
Silver	ND	0.600	"		ND					35	
Zinc	117	3.00	"		56.8				69.1	35	Non-dir.

**Matrix Spike (BC22280-MS1)**

\*Source sample: 22C0564-10 (SB-18 (0-2 ft))

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	246	1.80	mg/kg dry	240	2.45	101	75-125				
Barium	387	3.00	"	240	87.4	125	75-125				
Beryllium	6.61	0.060	"	6.00	ND	110	75-125				
Cadmium	6.30	0.360	"	6.00	ND	105	75-125				
Chromium	50.3	0.600	"	24.0	24.9	106	75-125				
Copper	54.4	2.40	"	30.0	18.2	121	75-125				
Lead	469	0.600	"	60.0	84.6	640	75-125	High Bias			
Manganese	562	0.600	"	60.0	497	109	75-125				
Nickel	89.1	1.20	"	60.0	20.4	114	75-125				
Selenium	198	3.00	"	240	ND	82.6	75-125				
Silver	6.03	0.600	"	6.00	ND	100	75-125				
Zinc	135	3.00	"	60.0	56.8	130	75-125	High Bias			



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit		Level	Result					RPD	

**Batch BC22280 - EPA 3050B**

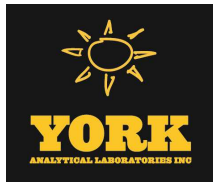
**Post Spike (BC22280-PS1)**                      \*Source sample: 22C0564-10 (SB-18 (0-2 ft))                      Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	2.23		ug/mL	2.00	0.020	110	75-125				
Barium	3.06		"	2.00	0.728	117	75-125				
Beryllium	0.056		"	0.0500	-0.002	113	75-125				
Cadmium	0.056		"	0.0500	-0.0001	112	75-125				
Chromium	0.423		"	0.200	0.207	108	75-125				
Copper	0.459		"	0.250	0.152	123	75-125				
Lead	1.31		"	0.500	0.705	120	75-125				
Manganese	4.69		"	0.500	4.14	110	75-125				
Nickel	0.782		"	0.500	0.170	122	75-125				
Selenium	1.80		"	2.00	-0.189	90.0	75-125				
Silver	0.021		"	0.0500	-0.003	42.2	75-125		Low Bias		
Zinc	1.04		"	0.500	0.473	113	75-125				

**Reference (BC22280-SRM1)**

Prepared: 03/15/2022 Analyzed: 03/16/2022

Arsenic	102	1.50	mg/kg wet	109		93.3	63.7-118.3				
Barium	365	2.50	"	364		100	70.3-117				
Beryllium	56.2	0.050	"	57.0		98.6	69.3-115.4				
Cadmium	44.5	0.300	"	48.7		91.4	67.8-112.9				
Chromium	170	0.500	"	173		98.4	65.3-120.8				
Copper	195	2.00	"	179		109	70.9-117.9				
Lead	102	0.500	"	101		101	69.1-126.7				
Manganese	376	0.500	"	370		102	72.2-119.2				
Nickel	60.5	1.00	"	52.2		116	63.4-117.8				
Selenium	67.3	2.50	"	104		64.8	58.5-122.1				
Silver	27.2	0.500	"	29.9		91.0	63.5-123.7				
Zinc	404	2.50	"	431		93.8	74.9-121.1				



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22301 - EPA 7473 soil</b>											
<b>Blank (BC22301-BLK1)</b>											Prepared & Analyzed: 03/16/2022
Mercury	ND	0.0300	mg/kg wet								
<b>Duplicate (BC22301-DUP1)</b>											Prepared & Analyzed: 03/16/2022
*Source sample: 22C0564-10 (SB-18 (0-2 ft))											
Mercury	0.0735	0.0360	mg/kg dry		0.308				123	35	Non-dir.
<b>Matrix Spike (BC22301-MS1)</b>											Prepared & Analyzed: 03/16/2022
*Source sample: 22C0564-10 (SB-18 (0-2 ft))											
Mercury	0.646		mg/kg	0.500	0.257	77.8	75-125				
<b>Reference (BC22301-SRM1)</b>											Prepared & Analyzed: 03/16/2022
Mercury	33.725		mg/kg	27.2		124	59.9-140.1				
<b>Batch BC22351 - EPA SW846-7470A</b>											
<b>Blank (BC22351-BLK1)</b>											Prepared & Analyzed: 03/16/2022
Mercury	ND	0.0002	mg/L								
<b>LCS (BC22351-BS1)</b>											Prepared & Analyzed: 03/16/2022
Mercury	0.0019130	0.0002	mg/L	0.00200		95.7	80-120				
<b>LCS (BC22351-BS2)</b>											Prepared & Analyzed: 03/16/2022
Mercury	0.0019288	0.0002	mg/L	0.00200		96.4	80-120				





**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC21889 - Analysis Preparation</b>											
<b>Blank (BC21889-BLK1)</b>											Prepared & Analyzed: 03/09/2022
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BC21889-BS1)</b>											Prepared & Analyzed: 03/09/2022
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500		97.0	80-120				
<b>Duplicate (BC21889-DUP1)</b>											Prepared & Analyzed: 03/09/2022
*Source sample: 22C0586-13 (Duplicate)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
<b>Matrix Spike (BC21889-MS1)</b>											Prepared & Analyzed: 03/09/2022
*Source sample: 22C0586-13 (Matrix Spike)											
Chromium, Hexavalent	0.429	0.0100	mg/L	0.500	ND	85.8	75-125				
<b>Batch BC22194 - Analysis Preparation Soil</b>											
<b>Blank (BC22194-BLK1)</b>											Prepared & Analyzed: 03/15/2022
Cyanide, total	ND	0.500	mg/kg wet								
<b>Duplicate (BC22194-DUP1)</b>											Prepared & Analyzed: 03/15/2022
*Source sample: 22C0564-10 (SB-18 (0-2 ft))											
Cyanide, total	ND	0.600	mg/kg dry		ND						15
<b>Matrix Spike (BC22194-MS1)</b>											Prepared & Analyzed: 03/15/2022
*Source sample: 22C0564-10 (SB-18 (0-2 ft))											
Cyanide, total	9.69	0.600	mg/kg dry	12.0	ND	80.7	79.6-107				
<b>Reference (BC22194-SRM1)</b>											Prepared & Analyzed: 03/15/2022
Cyanide, total	90.4		ug/mL	86.8		104	41.82-157.83				
<b>Batch BC22197 - EPA SW846-3060</b>											
<b>Blank (BC22197-BLK1)</b>											Prepared & Analyzed: 03/15/2022
Chromium, Hexavalent	ND	0.500	mg/kg wet								



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

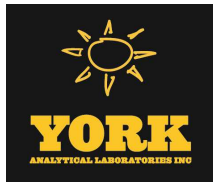
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22197 - EPA SW846-3060**

<b>Duplicate (BC22197-DUP1)</b>		*Source sample: 22C0564-10 (SB-18 (0-2 ft))					Prepared & Analyzed: 03/15/2022					
Chromium, Hexavalent	ND	0.600	mg/kg dry		ND						35	
<b>Matrix Spike (BC22197-MS1)</b>		*Source sample: 22C0564-10 (SB-18 (0-2 ft))					Prepared & Analyzed: 03/15/2022					
Chromium, Hexavalent	7.68	0.600	mg/kg dry	24.0	ND	32.0	75-125	Low Bias				
<b>Reference (BC22197-SRM1)</b>							Prepared & Analyzed: 03/15/2022					
Chromium, Hexavalent	66.7		mg/L	109		61.2	30-169.7					

**Batch BC22289 - Analysis Preparation**

<b>Blank (BC22289-BLK1)</b>							Prepared & Analyzed: 03/16/2022					
Cyanide, total	ND	0.0100	mg/L									
<b>LCS (BC22289-BS1)</b>							Prepared & Analyzed: 03/16/2022					
Cyanide, total	0.173	0.0100	mg/L	0.200		86.6	80-120					
<b>Duplicate (BC22289-DUP1)</b>		*Source sample: 22C0564-11 (EB-01)					Prepared & Analyzed: 03/16/2022					
Cyanide, total	ND	0.0100	mg/L		ND						15	
<b>Matrix Spike (BC22289-MS1)</b>		*Source sample: 22C0564-11 (EB-01)					Prepared & Analyzed: 03/16/2022					
Cyanide, total	0.184	0.0100	mg/L	0.200	ND	92.2	79-105					



**Miscellaneous Physical Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22238 - % Solids Prep**

<b>Duplicate (BC22238-DUP1)</b>	*Source sample: 22C0564-10 (SB-18 (0-2 ft))					Prepared & Analyzed: 03/15/2022					
% Solids	84.1	0.100	%		83.3				0.976	20	

**Batch BC22241 - % Solids Prep**

<b>Duplicate (BC22241-DUP1)</b>	*Source sample: 22C0606-04 (Duplicate)					Prepared & Analyzed: 03/15/2022					
% Solids	94.8	0.100	%		94.4				0.395	20	



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0564-01	SB-09 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-02	SB-12 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-03	SB-13 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-04	SB-13 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-05	SB-14 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-06	SB-15 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-07	SB-15 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-08	SB-16 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-09	SB-17 (2-4 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-10	SB-18 (0-2 ft)	40mL Vial with Stir Bar-Cool 4° C
22C0564-11	EB-01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

## Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



# YORK ANALYTICAL LABORATORIES INC

# Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com www.yorklab.com

800-306-YORK 800-306-9675

YORK Project No. 200564

Page 1 of 2

<b>YOUR Information</b>		<b>Report To:</b>		<b>Invoice To:</b>		<b>YOUR Project Number</b>		<b>Turn-Around Time</b>	
Company: LaBella Associates	Company: LaBella	Company: LaBella	Company: LaBella	Company: LaBella	Company: LaBella	Company: LaBella	2221378	RUSH - Next Day	
Address: 4 Branson American Blvd Latham, NY 12110	Address: LaBella	Address: LaBella	Address: LaBella	Address: LaBella	Address: LaBella	Address: LaBella	2221378	RUSH - Two Day	
Phone: 518-466-7355	Phone: LaBella	Phone: LaBella	Phone: LaBella	Phone: LaBella	Phone: LaBella	Phone: LaBella	Yonkers PIESA	RUSH - Three Day	
Contact: Branson Fields	Contact: LaBella	Contact: LaBella	Contact: LaBella	Contact: LaBella	Contact: LaBella	Contact: LaBella	Yonkers PIESA	RUSH - Four Day	
E-mail: bfields@labella.com	E-mail: LaBella	E-mail: LaBella	E-mail: LaBella	E-mail: LaBella	E-mail: LaBella	E-mail: LaBella	Yonkers PIESA	Standard (5-7 Day)	

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

Branson Fields

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	Part 375
DW - drinking water	Connecticut	NY ASP A Package	5005
WW - wastewater	Pennsylvania	NY ASP B Package	
O - Oil   Other:	Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-09 (2-4 ft)	S	3/6/22 0920	NYSDEC Full List Part 375	4x4cm; 2x8oz
SB-10 (0-2 ft)		1050		
SB-13 (0-2 ft)		1115		
SB-13 (2-4 ft)		1120		
SB-14 (0-2 ft)		1215		
SB-15 (0-2 ft)		1235		
SB-15 (2-4 ft)		1240		
SB-16 (0-2 ft)		1315		
SB-17 (2-4 ft)		1345		
SB-18 (0-2 ft)		1415		

**Comments:**

Preservation: (check all that apply)

HCl \_\_\_ MeOH \_\_\_ HNO3 \_\_\_ H2SO4 \_\_\_ NaOH \_\_\_

ZnAc \_\_\_ Ascorbic Acid \_\_\_ Other: Ice

1. Samples Relinquished by / Company Branson Fields / LaBella	Date/Time 3/8/22 1:00	2. Samples Relinquished by / Company Branson Fields / LaBella	Date/Time 3/9/22 14:30	3. Samples Received by / Company Yonkers PIESA	Date/Time 3/9/22 18:17
4. Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time	6. Samples Relinquished by / Company	Date/Time



# YORK ANALYTICAL LABORATORIES INC

## Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615    132-02 89th Ave Queens, NY 11418    clientservices@yorklab.com    www.yorklab.com    800-306-YORK    800-306-9675    Page 2 of 2

**YORK Project No.** 22C0764

**YOUR Information**  
 Company: SAWPA AS PACE #1  
 Address: SAWPA AS PACE #1  
 Phone: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**Report To:**  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**Invoice To:**  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**YOUR Project Number** 2221378  
**YOUR Project Name** Yonkers PILES  
**YOUR PO#:** 2221378

**Turn-Around Time**  
 RUSH - Next Day  
 RUSH - Two Day  
 RUSH - Three Day  
 Standard (5-7 Day)

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

*Bravenfields*  
 Samples Collected by: Bravenfields (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA-Report	<u>Part 375</u>
DW - drinking water	Connecticut	NY ASP A Package	<u>SC03</u>
WW - wastewater	Pennsylvania	NY ASP B Package	
O - Oil	Other:		
Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
<u>S</u>	<u>3/8/22 1415</u>	<u>NYSDEC Full 1st Part 375</u>	<u>4x4 bin; 2x6oz</u>
<u>S</u>	<u>3/8/22 1415</u>	<u>" "</u>	<u>" 1.1</u>
<u>WS</u>	<u>3/8/22 1430</u>	<u>" "</u>	<u>4L</u>

**Comments:** SB-18(MS) + SB-18(MSD) = QA/QC

**Preservation:** (check all that apply)  
 HCl     MeOH     HNO3     H2SO4     NaOH     Other: ICE

**Special Instruction**  
 Field Filtered  
 Lab to Filter

**Samples Relinquished by / Company**  
 1. Bravenfields / L. Bella 3/6/22 1700  
 Date/Time

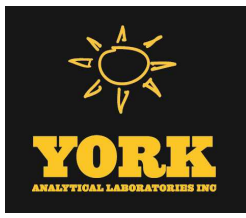
**Samples Relinquished by / Company**  
 2. Paul M York Labco 3/9/22  
 Date/Time

**Samples Relinquished by / Company**  
 3. Paul M York Labco 3/9/22 1857  
 Date/Time

**Samples Received by / Company**  
 4. SA 3/9/22 1857  
 Date/Time

**Temperature**  
3.7 Degrees C





# Technical Report

prepared for:

**LaBella Associates (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Branson Fields**

Report Date: 03/25/2022

**Client Project ID: 2221378 Conifer**

York Project (SDG) No.: 22C0905

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 03/25/2022  
Client Project ID: 2221378 Conifer  
York Project (SDG) No.: 22C0905

**LaBella Associates (Poughkeepsie)**  
21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Branson Fields

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 16, 2022 and listed below. The project was identified as your project: **2221378 Conifer**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0905-01	Ambient	Outdoor Ambient Ai	03/14/2022	03/16/2022
22C0905-02	FD	Outdoor Ambient Ai	03/14/2022	03/16/2022
22C0905-03	SG-03	Vapor Extraction	03/14/2022	03/16/2022
22C0905-04	SG-02	Vapor Extraction	03/14/2022	03/16/2022
22C0905-05	SG-05	Vapor Extraction	03/14/2022	03/16/2022
22C0905-06	SG-04	Vapor Extraction	03/14/2022	03/16/2022
22C0905-07	SG-01	Vapor Extraction	03/14/2022	03/16/2022

## **General Notes for York Project (SDG) No.: 22C0905**

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

**Approved By:** 

**Date:** 03/25/2022

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** Ambient

**York Sample ID:** 22C0905-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0905	2221378 Conifer	Outdoor Ambient Air	March 14, 2022 11:45 am	03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.62	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.49	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.62	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)</b>	<b>0.69</b>		ug/m <sup>3</sup>	0.69	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.49	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.37	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.090	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.67	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.44	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.69	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.54	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.37	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.42	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.63	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.44	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.60	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.54	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.42	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.54	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.65	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.96</b>		ug/m <sup>3</sup>	0.27	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.74	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ



### Sample Information

**Client Sample ID:** Ambient

**York Sample ID:** 22C0905-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Outdoor Ambient Air

March 14, 2022 11:45 am

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.4	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.37	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
67-64-1	<b>Acetone</b>	<b>6.5</b>	B	ug/m <sup>3</sup>	0.86	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.20	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
71-43-2	<b>Benzene</b>	<b>0.78</b>		ug/m <sup>3</sup>	0.29	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.47	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.60	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.93	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.35	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.28	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.40</b>		ug/m <sup>3</sup>	0.14	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.42	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.24	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.44	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
74-87-3	<b>Chloromethane</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.19	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.090	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.41	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.31	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.77	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.45	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.65	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.39	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.96	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ



### Sample Information

**Client Sample ID:** Ambient

**York Sample ID:** 22C0905-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

22C0905

2221378 Conifer

Outdoor Ambient Air

March 14, 2022 11:45 am

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	2.7		ug/m <sup>3</sup>	0.44	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.37	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.33	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-09-2	Methylene chloride	4.5		ug/m <sup>3</sup>	0.63	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
142-82-5	n-Heptane	0.37		ug/m <sup>3</sup>	0.37	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
110-54-3	n-Hexane	0.60		ug/m <sup>3</sup>	0.32	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.39	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.78	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.44	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.16	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.38	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.61	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.53	0.903	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 19:22	LLJ
108-88-3	Toluene	1.5		ug/m <sup>3</sup>	0.34	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.36	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.41	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.12	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m <sup>3</sup>	0.51	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.32	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.39	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.12	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 19:22	LLJ



### Sample Information

**Client Sample ID:** FD

**York Sample ID:** 22C0905-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Outdoor Ambient Air

March 14, 2022 11:50 am

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.57	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.45	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.57	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)</b>	<b>0.70</b>		ug/m <sup>3</sup>	0.64	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.45	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.34	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.082	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.62	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.41	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.64	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.34	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.38	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.58	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.41	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.55	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.38	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.50	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.60	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.95</b>		ug/m <sup>3</sup>	0.24	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.68	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	1.3	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ



### Sample Information

**Client Sample ID:** FD

**York Sample ID:** 22C0905-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Outdoor Ambient Air

March 14, 2022 11:50 am

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.34	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
67-64-1	Acetone	8.2	B	ug/m <sup>3</sup>	0.79	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.18	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
71-43-2	Benzene	0.74		ug/m <sup>3</sup>	0.26	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.43	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.56	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.86	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.32	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.26	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
56-23-5	Carbon tetrachloride	0.42		ug/m <sup>3</sup>	0.13	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.38	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.22	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.40	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
74-87-3	Chloromethane	1.6		ug/m <sup>3</sup>	0.17	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.082	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.38	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.29	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.71	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-71-8	Dichlorodifluoromethane	2.7		ug/m <sup>3</sup>	0.41	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.60	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.36	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.88	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
67-63-0	Isopropanol	2.9		ug/m <sup>3</sup>	0.41	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ





### Sample Information

**Client Sample ID:** FD

**York Sample ID:** 22C0905-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Outdoor Ambient Air

March 14, 2022 11:50 am

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	1.9		ug/m <sup>3</sup>	0.34	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.30	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-09-2	Methylene chloride	10		ug/m <sup>3</sup>	0.58	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
142-82-5	n-Heptane	0.41		ug/m <sup>3</sup>	0.34	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
110-54-3	n-Hexane	0.61		ug/m <sup>3</sup>	0.29	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.36	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.72	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.41	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.14	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.35	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.56	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.49	0.829	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 20:32	LLJ
108-88-3	Toluene	1.8		ug/m <sup>3</sup>	0.31	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.33	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.38	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.11	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m <sup>3</sup>	0.47	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.29	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.36	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.11	0.829	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 20:32	LLJ



### Sample Information

**Client Sample ID:** SG-03

**York Sample ID:** 22C0905-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:00 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.5	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	2.0	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	2.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	2.0	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.35	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	2.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>46</b>		ug/m <sup>3</sup>	1.8	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	2.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	1.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	1.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>14</b>		ug/m <sup>3</sup>	1.8	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	2.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	1.7	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	2.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
78-93-3	<b>2-Butanone</b>	<b>3.7</b>		ug/m <sup>3</sup>	1.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	2.9	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	5.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ



### Sample Information

**Client Sample ID:** SG-03

**York Sample ID:** 22C0905-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:00 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	1.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
67-64-1	Acetone	260	B	ug/m <sup>3</sup>	3.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.78	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
71-43-2	Benzene	1.4		ug/m <sup>3</sup>	1.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.9	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	2.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	3.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	1.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.56	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.94	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	1.7	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.74	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.35	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
110-82-7	Cyclohexane	1.6		ug/m <sup>3</sup>	1.2	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	3.0	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-71-8	Dichlorodifluoromethane	2.8		ug/m <sup>3</sup>	1.8	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	2.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
100-41-4	Ethyl Benzene	14		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	3.8	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
67-63-0	Isopropanol	4.1		ug/m <sup>3</sup>	1.8	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ



## Sample Information

**Client Sample ID:** SG-03

**York Sample ID:** 22C0905-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:00 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	1.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.3	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-09-2	<b>Methylene chloride</b>	<b>3.5</b>		ug/m <sup>3</sup>	2.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
142-82-5	<b>n-Heptane</b>	<b>7.2</b>		ug/m <sup>3</sup>	1.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
110-54-3	<b>n-Hexane</b>	<b>1.5</b>		ug/m <sup>3</sup>	1.3	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
95-47-6	<b>o-Xylene</b>	<b>33</b>		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>53</b>		ug/m <sup>3</sup>	3.1	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
622-96-8	<b>* p-Ethyltoluene</b>	<b>37</b>		ug/m <sup>3</sup>	1.8	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
115-07-1	<b>* Propylene</b>	<b>2.1</b>		ug/m <sup>3</sup>	0.62	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.5	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>39</b>		ug/m <sup>3</sup>	2.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	2.1	3.574	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 21:31	LLJ
108-88-3	<b>Toluene</b>	<b>24</b>		ug/m <sup>3</sup>	1.3	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.4	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.48	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	2.0	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.3	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	1.6	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.46	3.574	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 21:31	LLJ



### Sample Information

**Client Sample ID:** SG-02

**York Sample ID:** 22C0905-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:20 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.485	EPA TO-15 Certifications:	03/24/2022 07:00	03/25/2022 02:13	AS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.81	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.1	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.81	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.60	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.15	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>5.6</b>		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.89	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.60	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.69	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.0	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.99	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.89	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.69	1.485	EPA TO-15 Certifications:	03/24/2022 07:00	03/25/2022 02:13	AS
106-46-7	<b>1,4-Dichlorobenzene</b>	<b>0.98</b>		ug/m <sup>3</sup>	0.89	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.1	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
78-93-3	<b>2-Butanone</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.44	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.2	1.485	EPA TO-15 Certifications:	03/24/2022 07:00	03/25/2022 02:13	AS
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.3	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS



### Sample Information

**Client Sample ID:** SG-02

**York Sample ID:** 22C0905-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:20 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.61	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
67-64-1	Acetone	4.6		ug/m <sup>3</sup>	0.71	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.32	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
71-43-2	Benzene	3.1		ug/m <sup>3</sup>	0.47	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.77	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.99	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.5	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.58	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.46	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.23	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
108-90-7	Chlorobenzene	2.7		ug/m <sup>3</sup>	0.68	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.39	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.31	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.15	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.67	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
110-82-7	Cyclohexane	0.66		ug/m <sup>3</sup>	0.51	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.3	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-71-8	Dichlorodifluoromethane	2.6		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.1	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
100-41-4	Ethyl Benzene	4.6		ug/m <sup>3</sup>	0.64	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.6	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
67-63-0	Isopropanol	7.7		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS



### Sample Information

**Client Sample ID:** SG-02

**York Sample ID:** 22C0905-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:20 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.61	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.54	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	1.0	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.61	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
110-54-3	<b>n-Hexane</b>	<b>0.52</b>		ug/m <sup>3</sup>	0.52	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
95-47-6	<b>o-Xylene</b>	<b>4.0</b>		ug/m <sup>3</sup>	0.64	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>16</b>		ug/m <sup>3</sup>	1.3	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
622-96-8	<b>* p-Ethyltoluene</b>	<b>4.3</b>		ug/m <sup>3</sup>	0.73	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.26	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
100-42-5	<b>Styrene</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.63	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
127-18-4	<b>Tetrachloroethylene</b>	<b>11</b>		ug/m <sup>3</sup>	1.0	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
109-99-9	<b>* Tetrahydrofuran</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.88	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
108-88-3	<b>Toluene</b>	<b>20</b>		ug/m <sup>3</sup>	0.56	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.59	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.67	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
79-01-6	<b>Trichloroethylene</b>	<b>0.32</b>		ug/m <sup>3</sup>	0.20	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>3.3</b>		ug/m <sup>3</sup>	0.83	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.52	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.65	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.19	1.485	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/24/2022 07:00	03/25/2022 02:13	AS



### Sample Information

**Client Sample ID:** SG-05

**York Sample ID:** 22C0905-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:25 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.82	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.2	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.82	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.61	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.15	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>14</b>		ug/m <sup>3</sup>	0.74	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.2	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.91	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.61	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.70	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.1	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>2.7</b>		ug/m <sup>3</sup>	0.74	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.91	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.70	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.91	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.1	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
78-93-3	<b>2-Butanone</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.44	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.2	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.4	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ





## Sample Information

**Client Sample ID:** SG-05

**York Sample ID:** 22C0905-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:25 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.62	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
67-64-1	Acetone	170	B	ug/m <sup>3</sup>	1.4	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.33	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
71-43-2	Benzene	2.0		ug/m <sup>3</sup>	0.48	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.78	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.6	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.59	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-15-0	Carbon disulfide	0.75		ug/m <sup>3</sup>	0.47	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.24	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.69	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.40	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
67-66-3	Chloroform	15		ug/m <sup>3</sup>	0.74	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.31	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.15	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.68	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
110-82-7	Cyclohexane	2.3		ug/m <sup>3</sup>	0.52	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.3	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-71-8	Dichlorodifluoromethane	2.7		ug/m <sup>3</sup>	0.75	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.1	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
100-41-4	Ethyl Benzene	12		ug/m <sup>3</sup>	0.65	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.6	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
67-63-0	Isopropanol	6.9		ug/m <sup>3</sup>	0.74	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ



### Sample Information

**Client Sample ID:** SG-05

**York Sample ID:** 22C0905-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:25 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes: TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.62	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.54	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-09-2	<b>Methylene chloride</b>	<b>2.7</b>		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
142-82-5	<b>n-Heptane</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.62	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
110-54-3	<b>n-Hexane</b>	<b>12</b>		ug/m <sup>3</sup>	0.53	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
95-47-6	<b>o-Xylene</b>	<b>16</b>		ug/m <sup>3</sup>	0.65	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>54</b>		ug/m <sup>3</sup>	1.3	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
622-96-8	<b>* p-Ethyltoluene</b>	<b>18</b>		ug/m <sup>3</sup>	0.74	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.26	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
100-42-5	<b>Styrene</b>	<b>1.0</b>		ug/m <sup>3</sup>	0.64	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>1.1</b>		ug/m <sup>3</sup>	1.0	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.89	1.507	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 09:51	LLJ
108-88-3	<b>Toluene</b>	<b>39</b>		ug/m <sup>3</sup>	0.57	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.60	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.68	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
79-01-6	<b>Trichloroethylene</b>	<b>0.24</b>		ug/m <sup>3</sup>	0.20	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.85	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.53	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.66	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.19	1.507	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 09:51	LLJ



## Sample Information

**Client Sample ID:** SG-04

**York Sample ID:** 22C0905-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:35 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.6	3.742	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 10:50	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	2.0	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	2.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	2.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	2.0	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.37	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	2.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>18</b>		ug/m <sup>3</sup>	1.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	2.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	1.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>3.9</b>		ug/m <sup>3</sup>	1.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	2.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	1.7	3.742	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 10:50	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	2.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
78-93-3	<b>2-Butanone</b>	<b>9.7</b>		ug/m <sup>3</sup>	1.1	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	3.1	3.742	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 10:50	LLJ
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	5.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ



### Sample Information

**Client Sample ID:** SG-04

**York Sample ID:** 22C0905-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:35 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
67-64-1	<b>Acetone</b>	<b>210</b>	B	ug/m <sup>3</sup>	3.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.81	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
71-43-2	<b>Benzene</b>	<b>4.7</b>		ug/m <sup>3</sup>	1.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	2.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	3.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-15-0	<b>Carbon disulfide</b>	<b>3.7</b>		ug/m <sup>3</sup>	1.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.59	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	1.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.99	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	1.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.77	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.37	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
110-82-7	<b>Cyclohexane</b>	<b>3.1</b>		ug/m <sup>3</sup>	1.3	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	3.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.4</b>		ug/m <sup>3</sup>	1.9	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	2.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
100-41-4	<b>Ethyl Benzene</b>	<b>17</b>		ug/m <sup>3</sup>	1.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	4.0	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
67-63-0	<b>Isopropanol</b>	<b>4.3</b>		ug/m <sup>3</sup>	1.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ



### Sample Information

**Client Sample ID:** SG-04

**York Sample ID:** 22C0905-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:35 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.3	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-09-2	Methylene chloride	ND		ug/m <sup>3</sup>	2.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
142-82-5	<b>n-Heptane</b>	<b>210</b>		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
110-54-3	<b>n-Hexane</b>	<b>490</b>		ug/m <sup>3</sup>	1.3	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
95-47-6	<b>o-Xylene</b>	<b>22</b>		ug/m <sup>3</sup>	1.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>73</b>		ug/m <sup>3</sup>	3.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
622-96-8	<b>* p-Ethyltoluene</b>	<b>22</b>		ug/m <sup>3</sup>	1.8	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.64	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	2.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	2.2	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
108-88-3	<b>Toluene</b>	<b>53</b>		ug/m <sup>3</sup>	1.4	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.5	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.7	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.50	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	2.1	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.3	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	1.6	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.48	3.742	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 10:50	LLJ



### Sample Information

**Client Sample ID:** SG-01

**York Sample ID:** 22C0905-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:45 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.96	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.96	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.71	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.17	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.3	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>3.5</b>		ug/m <sup>3</sup>	0.87	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.4	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.71	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.81	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.87	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m <sup>3</sup>	0.81	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	1.3	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.83</b>		ug/m <sup>3</sup>	0.52	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.4	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
107-05-1	3-Chloropropene	ND		ug/m <sup>3</sup>	2.8	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ



### Sample Information

**Client Sample ID:** SG-01

**York Sample ID:** 22C0905-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:45 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.72	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
67-64-1	Acetone	6.1	B	ug/m <sup>3</sup>	1.7	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
107-13-1	Acrylonitrile	ND		ug/m <sup>3</sup>	0.38	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
71-43-2	Benzene	1.7		ug/m <sup>3</sup>	0.56	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.91	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.8	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.68	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-15-0	Carbon disulfide	1.5		ug/m <sup>3</sup>	0.55	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.28	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
108-90-7	Chlorobenzene	2.3		ug/m <sup>3</sup>	0.81	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.46	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.86	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	0.36	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.17	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.61	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.5	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-71-8	Dichlorodifluoromethane	2.6		ug/m <sup>3</sup>	0.87	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.3	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
100-41-4	Ethyl Benzene	4.2		ug/m <sup>3</sup>	0.76	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.9	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
67-63-0	Isopropanol	6.2		ug/m <sup>3</sup>	0.87	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ



### Sample Information

**Client Sample ID:** SG-01

**York Sample ID:** 22C0905-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0905

2221378 Conifer

Vapor Extraction

March 14, 2022 12:45 pm

03/16/2022

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.72	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.63	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-09-2	<b>Methylene chloride</b>	<b>15</b>		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.72	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
110-54-3	<b>n-Hexane</b>	<b>0.81</b>		ug/m <sup>3</sup>	0.62	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
95-47-6	<b>o-Xylene</b>	<b>3.7</b>		ug/m <sup>3</sup>	0.76	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>16</b>		ug/m <sup>3</sup>	1.5	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
622-96-8	<b>* p-Ethyltoluene</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.87	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.30	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
100-42-5	<b>Styrene</b>	<b>1.4</b>		ug/m <sup>3</sup>	0.75	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>9.1</b>		ug/m <sup>3</sup>	1.2	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.0	1.76	EPA TO-15 Certifications:	03/21/2022 18:41	03/22/2022 15:56	LLJ
108-88-3	<b>Toluene</b>	<b>15</b>		ug/m <sup>3</sup>	0.66	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.70	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.80	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.24	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.99	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.62	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
593-60-2	Vinyl bromide	ND		ug/m <sup>3</sup>	0.77	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.22	1.76	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/21/2022 18:41	03/22/2022 15:56	LLJ





## Analytical Batch Summary

**Batch ID:** BC22616                      **Preparation Method:** EPA TO15 PREP                      **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0905-01	Ambient	03/21/22
22C0905-02	FD	03/21/22
22C0905-03	SG-03	03/21/22
22C0905-05	SG-05	03/21/22
22C0905-06	SG-04	03/21/22
22C0905-07	SG-01	03/21/22
BC22616-BLK1	Blank	03/21/22
BC22616-BS1	LCS	03/21/22
BC22616-DUP1	Duplicate	03/21/22

**Batch ID:** BC22876                      **Preparation Method:** EPA TO15 PREP                      **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0905-04	SG-02	03/24/22
BC22876-BLK1	Blank	03/24/22
BC22876-BS1	LCS	03/24/22



**Volatile Organic Compounds in Air by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22616 - EPA TO15 PREP**

**Blank (BC22616-BLK1)**

Prepared: 03/21/2022 Analyzed: 03/22/2022

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	0.81	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								



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

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BC22616 - EPA TO15 PREP**

**Blank (BC22616-BLK1)**

Prepared: 03/21/2022 Analyzed: 03/22/2022

n-Heptane	ND	0.41	ug/m <sup>3</sup>
n-Hexane	ND	0.35	"
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.68	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.13	"

**LCS (BC22616-BS1)**

Prepared: 03/21/2022 Analyzed: 03/22/2022

1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0	101	70-130
1,1,1-Trichloroethane	11.1		"	10.0	111	70-130
1,1,2,2-Tetrachloroethane	9.80		"	10.0	98.0	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0	122	70-130
1,1,2-Trichloroethane	10.8		"	10.0	108	70-130
1,1-Dichloroethane	11.5		"	10.0	115	70-130
1,1-Dichloroethylene	10.2		"	10.0	102	70-130
1,2,4-Trichlorobenzene	8.59		"	10.0	85.9	70-130
1,2,4-Trimethylbenzene	8.72		"	10.0	87.2	70-130
1,2-Dibromoethane	10.6		"	10.0	106	70-130
1,2-Dichlorobenzene	8.71		"	10.0	87.1	70-130
1,2-Dichloroethane	9.86		"	10.0	98.6	70-130
1,2-Dichloropropane	9.55		"	10.0	95.5	70-130
1,2-Dichlorotetrafluoroethane	12.3		"	10.0	123	70-130
1,3,5-Trimethylbenzene	8.80		"	10.0	88.0	70-130
1,3-Butadiene	11.5		"	10.0	115	70-130
1,3-Dichlorobenzene	8.85		"	10.0	88.5	70-130
1,3-Dichloropropane	10.7		"	10.0	107	70-130
1,4-Dichlorobenzene	9.04		"	10.0	90.4	70-130
1,4-Dioxane	10.3		"	10.0	103	70-130
2-Butanone	10.5		"	10.0	105	70-130
2-Hexanone	7.62		"	10.0	76.2	70-130
3-Chloropropene	10.4		"	10.0	104	70-130
4-Methyl-2-pentanone	7.96		"	10.0	79.6	70-130
Acetone	10.9		"	10.0	109	70-130
Acrylonitrile	9.26		"	10.0	92.6	70-130
Benzene	11.3		"	10.0	113	70-130
Benzyl chloride	9.85		"	10.0	98.5	70-130
Bromodichloromethane	9.93		"	10.0	99.3	70-130
Bromoform	10.2		"	10.0	102	70-130
Bromomethane	11.3		"	10.0	113	70-130
Carbon disulfide	12.4		"	10.0	124	70-130



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22616 - EPA TO15 PREP

LCS (BC22616-BS1)

Prepared: 03/21/2022 Analyzed: 03/22/2022

Carbon tetrachloride	10.5		ppbv	10.0		105	70-130				
Chlorobenzene	8.82		"	10.0		88.2	70-130				
Chloroethane	12.7		"	10.0		127	70-130				
Chloroform	11.2		"	10.0		112	70-130				
Chloromethane	12.5		"	10.0		125	70-130				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Cyclohexane	11.5		"	10.0		115	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	11.6		"	10.0		116	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	8.66		"	10.0		86.6	70-130				
Hexachlorobutadiene	9.24		"	10.0		92.4	70-130				
Isopropanol	10.8		"	10.0		108	70-130				
Methyl Methacrylate	10.7		"	10.0		107	70-130				
Methyl tert-butyl ether (MTBE)	9.48		"	10.0		94.8	70-130				
Methylene chloride	10.2		"	10.0		102	70-130				
n-Heptane	10.9		"	10.0		109	70-130				
n-Hexane	11.8		"	10.0		118	70-130				
o-Xylene	8.64		"	10.0		86.4	70-130				
p- & m- Xylenes	17.3		"	20.0		86.4	70-130				
p-Ethyltoluene	9.13		"	10.0		91.3	70-130				
Propylene	11.4		"	10.0		114	70-130				
Styrene	9.17		"	10.0		91.7	70-130				
Tetrachloroethylene	10.8		"	10.0		108	70-130				
Tetrahydrofuran	10.8		"	10.0		108	70-130				
Toluene	9.57		"	10.0		95.7	70-130				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	70-130				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Trichloroethylene	8.90		"	10.0		89.0	70-130				
Trichlorofluoromethane (Freon 11)	11.6		"	10.0		116	70-130				
Vinyl acetate	10.2		"	10.0		102	70-130				
Vinyl bromide	12.6		"	10.0		126	70-130				
Vinyl Chloride	12.8		"	10.0		128	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BC22616 - EPA TO15 PREP</b>												
<b>Duplicate (BC22616-DUP1)</b>		*Source sample: 22C0921-05 (Duplicate)						Prepared: 03/21/2022 Analyzed: 03/22/2022				
1,1,1,2-Tetrachloroethane	ND	1.2	ug/m <sup>3</sup>		ND					25		
1,1,1-Trichloroethane	ND	0.93	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25		
1,1,2-Trichloroethane	ND	0.93	"		ND					25		
1,1-Dichloroethane	ND	0.69	"		ND					25		
1,1-Dichloroethylene	ND	0.17	"		ND					25		
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25		
1,2,4-Trimethylbenzene	0.75	0.83	"		0.75				0.00	25		
1,2-Dibromoethane	ND	1.3	"		ND					25		
1,2-Dichlorobenzene	ND	1.0	"		ND					25		
1,2-Dichloroethane	ND	0.69	"		ND					25		
1,2-Dichloropropane	ND	0.78	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25		
1,3,5-Trimethylbenzene	ND	0.83	"		ND					25		
1,3-Butadiene	ND	1.1	"		ND					25		
1,3-Dichlorobenzene	ND	1.0	"		ND					25		
1,3-Dichloropropane	ND	0.78	"		ND					25		
1,4-Dichlorobenzene	ND	1.0	"		ND					25		
1,4-Dioxane	ND	1.2	"		ND					25		
2-Butanone	1.5	0.50	"		1.6				6.45	25		
2-Hexanone	0.35	1.4	"		ND					25		
3-Chloropropene	ND	2.7	"		ND					25		
4-Methyl-2-pentanone	ND	0.70	"		ND					25		
Acetone	11	0.81	"		13				15.7	25		
Acrylonitrile	ND	0.37	"		ND					25		
Benzene	0.81	0.54	"		0.81				0.00	25		
Benzyl chloride	ND	0.88	"		ND					25		
Bromodichloromethane	ND	1.1	"		ND					25		
Bromoform	ND	1.8	"		ND					25		
Bromomethane	ND	0.66	"		ND					25		
Carbon disulfide	ND	0.53	"		ND					25		
Carbon tetrachloride	0.43	0.27	"		0.43				0.00	25		
Chlorobenzene	ND	0.78	"		ND					25		
Chloroethane	ND	0.45	"		ND					25		
Chloroform	ND	0.83	"		ND					25		
Chloromethane	1.9	0.35	"		1.8				3.77	25		
cis-1,2-Dichloroethylene	ND	0.17	"		ND					25		
cis-1,3-Dichloropropylene	ND	0.77	"		ND					25		
Cyclohexane	ND	0.58	"		ND					25		
Dibromochloromethane	ND	1.4	"		ND					25		
Dichlorodifluoromethane	2.9	0.84	"		2.9				0.00	25		
Ethyl acetate	ND	1.2	"		ND					25		
Ethyl Benzene	ND	0.74	"		ND					25		
Hexachlorobutadiene	ND	1.8	"		ND					25		
Isopropanol	4.5	0.83	"		5.5				18.3	25		
Methyl Methacrylate	0.76	0.69	"		0.69				9.52	25		
Methyl tert-butyl ether (MTBE)	ND	0.61	"		ND					25		
Methylene chloride	1.5	1.2	"		1.8				17.5	25		
n-Heptane	0.42	0.70	"		0.63				40.0	25	Non-dir.	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22616 - EPA TO15 PREP**

Duplicate (BC22616-DUP1)	*Source sample: 22C0921-05 (Duplicate)					Prepared: 03/21/2022 Analyzed: 03/22/2022		
n-Hexane	0.72	0.60	ug/m <sup>3</sup>		0.72		0.00	25
o-Xylene	0.52	0.74	"		0.52		0.00	25
p- & m- Xylenes	1.2	1.5	"		1.3		6.06	25
p-Ethyltoluene	ND	0.83	"		ND			25
Propylene	ND	0.29	"		ND			25
Styrene	ND	0.72	"		ND			25
Tetrachloroethylene	1.7	1.2	"		1.8		6.45	25
Tetrahydrofuran	ND	1.0	"		ND			25
Toluene	2.4	0.64	"		2.4		2.67	25
trans-1,2-Dichloroethylene	ND	0.67	"		ND			25
trans-1,3-Dichloropropylene	ND	0.77	"		ND			25
Trichloroethylene	0.36	0.23	"		ND			25
Trichlorofluoromethane (Freon 11)	1.5	0.95	"		1.6		6.06	25
Vinyl acetate	ND	0.60	"		ND			25
Vinyl bromide	ND	0.74	"		ND			25
Vinyl Chloride	ND	0.22	"		ND			25

**Batch BC22876 - EPA TO15 PREP**

Blank (BC22876-BLK1)	Prepared & Analyzed: 03/24/2022										
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m <sup>3</sup>								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC22876 - EPA TO15 PREP

Blank (BC22876-BLK1)

Prepared & Analyzed: 03/24/2022

Carbon disulfide	ND	0.31	ug/m <sup>3</sup>								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BC22876 - EPA TO15 PREP</b>											
<b>LCS (BC22876-BS1)</b>											
Prepared & Analyzed: 03/24/2022											
1,1,1,2-Tetrachloroethane	9.42		ppbv	10.0		94.2	70-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	9.62		"	10.0		96.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130				
1,1-Dichloroethane	11.6		"	10.0		116	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	8.26		"	10.0		82.6	70-130				
1,2,4-Trimethylbenzene	8.31		"	10.0		83.1	70-130				
1,2-Dibromoethane	9.94		"	10.0		99.4	70-130				
1,2-Dichlorobenzene	8.11		"	10.0		81.1	70-130				
1,2-Dichloroethane	9.04		"	10.0		90.4	70-130				
1,2-Dichloropropane	9.38		"	10.0		93.8	70-130				
1,2-Dichlorotetrafluoroethane	11.9		"	10.0		119	70-130				
1,3,5-Trimethylbenzene	8.26		"	10.0		82.6	70-130				
1,3-Butadiene	9.75		"	10.0		97.5	70-130				
1,3-Dichlorobenzene	8.40		"	10.0		84.0	70-130				
1,3-Dichloropropane	9.90		"	10.0		99.0	70-130				
1,4-Dichlorobenzene	8.54		"	10.0		85.4	70-130				
1,4-Dioxane	10.3		"	10.0		103	70-130				
2-Butanone	10.5		"	10.0		105	70-130				
2-Hexanone	6.57		"	10.0		65.7	70-130	Low Bias			
3-Chloropropene	10.8		"	10.0		108	70-130				
4-Methyl-2-pentanone	7.23		"	10.0		72.3	70-130				
Acetone	10.1		"	10.0		101	70-130				
Acrylonitrile	9.75		"	10.0		97.5	70-130				
Benzene	12.6		"	10.0		126	70-130				
Benzyl chloride	9.14		"	10.0		91.4	70-130				
Bromodichloromethane	8.65		"	10.0		86.5	70-130				
Bromoform	9.83		"	10.0		98.3	70-130				
Bromomethane	13.1		"	10.0		131	70-130	High Bias			
Carbon disulfide	13.4		"	10.0		134	70-130	High Bias			
Carbon tetrachloride	9.59		"	10.0		95.9	70-130				
Chlorobenzene	8.83		"	10.0		88.3	70-130				
Chloroethane	13.5		"	10.0		135	70-130	High Bias			
Chloroform	11.0		"	10.0		110	70-130				
Chloromethane	11.1		"	10.0		111	70-130				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	70-130				
cis-1,3-Dichloropropylene	9.94		"	10.0		99.4	70-130				
Cyclohexane	12.5		"	10.0		125	70-130				
Dibromochloromethane	9.21		"	10.0		92.1	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	10.2		"	10.0		102	70-130				
Ethyl Benzene	8.60		"	10.0		86.0	70-130				
Hexachlorobutadiene	8.52		"	10.0		85.2	70-130				
Isopropanol	10.8		"	10.0		108	70-130				
Methyl Methacrylate	10.5		"	10.0		105	70-130				
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	70-130				
Methylene chloride	10.0		"	10.0		100	70-130				
n-Heptane	11.1		"	10.0		111	70-130				





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

**York Analytical Laboratories, Inc.**

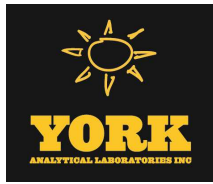
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BC22876 - EPA TO15 PREP**

**LCS (BC22876-BS1)**

Prepared & Analyzed: 03/24/2022

n-Hexane	12.7		ppbv	10.0		127	70-130				
o-Xylene	8.31		"	10.0		83.1	70-130				
p- & m- Xylenes	16.7		"	20.0		83.5	70-130				
p-Ethyltoluene	8.74		"	10.0		87.4	70-130				
Propylene	10.8		"	10.0		108	70-130				
Styrene	9.12		"	10.0		91.2	70-130				
Tetrachloroethylene	10.1		"	10.0		101	70-130				
Tetrahydrofuran	11.2		"	10.0		112	70-130				
Toluene	9.31		"	10.0		93.1	70-130				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
trans-1,3-Dichloropropylene	9.27		"	10.0		92.7	70-130				
Trichloroethylene	8.57		"	10.0		85.7	70-130				
Trichlorofluoromethane (Freon 11)	10.4		"	10.0		104	70-130				
Vinyl acetate	10.3		"	10.0		103	70-130				
Vinyl bromide	13.2		"	10.0		132	70-130	High Bias			
Vinyl Chloride	10.9		"	10.0		109	70-130				





## Sample and Data Qualifiers Relating to This Work Order

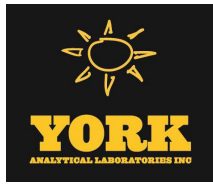
TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

### Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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York Analytical Laboratories, Inc.  
120 Research Drive  
Stratford, CT 06615  
clientservices@yorklab.com  
www.yorklab.com

# Field Chain-of-Custody Record - AIR

YORK Project No.  
220905

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

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time																																																																	
Company: <u>Labella PC</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>	Company: <u>Labella</u>																																																																
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<p>Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.</p> <p><u>David Froedden</u> Samples Collected by: (print your name above and sign below)</p>		<p>Report / EDD Type (circle selections)</p> <p>CT RCP <input checked="" type="checkbox"/> Standard Excel EDD            CT RCP DQA/DUE <input checked="" type="checkbox"/> EQUIS (Standard)            NUDEP Reduced Deliv. <input type="checkbox"/> NYSDEC EQUIS            NUDEP SRP HazSite <input type="checkbox"/> NUDEP SRP HazSite</p>		<p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please fill in)</p>		<p>YOUR Project Name</p> <p><u>Conifer</u></p>		<p>Standard (5-7 Day) <input checked="" type="checkbox"/></p>																																																																	
<p><b>Certified Canisters: Batch _____ Individual _____</b></p> <p><b>Please enter the following REQUIRED Field Data</b></p> <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date/Time Sampled</th> <th>Air Matrix</th> <th>Canister Vacuum Before Sampling (in Hg)</th> <th>Canister Vacuum After Sampling (in Hg)</th> <th>Flow Cont. ID</th> <th>Analysis Requested</th> <th>Reporting Units: ug/m<sup>3</sup> ppbv ppmv</th> </tr> </thead> <tbody> <tr> <td><u>Ambient</u></td> <td><u>3.14.2022 1145</u></td> <td><u>AO</u></td> <td><u>-30</u></td> <td><u>-5</u></td> <td><u>18306</u></td> <td><u>T0-15</u></td> <td></td> </tr> <tr> <td><u>FD</u></td> <td><u>1150</u></td> <td><u>AO</u></td> <td><u>-25</u></td> <td><u>-2</u></td> <td><u>10111</u></td> <td></td> <td></td> </tr> <tr> <td><u>SG-03</u></td> <td><u>1200</u></td> <td><u>AE</u></td> <td><u>-30</u></td> <td><u>-8</u></td> <td><u>34503</u></td> <td></td> <td></td> </tr> <tr> <td><u>SG-02</u></td> <td><u>1220</u></td> <td><u>AE</u></td> <td><u>-30</u></td> <td><u>-3</u></td> <td><u>37003</u></td> <td></td> <td></td> </tr> <tr> <td><u>SG-05</u></td> <td><u>1225</u></td> <td><u>AE</u></td> <td><u>-26</u></td> <td><u>-2</u></td> <td><u>18307</u></td> <td></td> <td></td> </tr> <tr> <td><u>SG-04</u></td> <td><u>1235</u></td> <td><u>AE</u></td> <td><u>-30</u></td> <td><u>-10</u></td> <td><u>37793</u></td> <td></td> <td></td> </tr> <tr> <td><u>SG-01</u></td> <td><u>1245</u></td> <td><u>AE</u></td> <td><u>-30</u></td> <td><u>-8</u></td> <td><u>16976</u></td> <td></td> <td></td> </tr> </tbody> </table>										Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Flow Cont. ID	Analysis Requested	Reporting Units: ug/m <sup>3</sup> ppbv ppmv	<u>Ambient</u>	<u>3.14.2022 1145</u>	<u>AO</u>	<u>-30</u>	<u>-5</u>	<u>18306</u>	<u>T0-15</u>		<u>FD</u>	<u>1150</u>	<u>AO</u>	<u>-25</u>	<u>-2</u>	<u>10111</u>			<u>SG-03</u>	<u>1200</u>	<u>AE</u>	<u>-30</u>	<u>-8</u>	<u>34503</u>			<u>SG-02</u>	<u>1220</u>	<u>AE</u>	<u>-30</u>	<u>-3</u>	<u>37003</u>			<u>SG-05</u>	<u>1225</u>	<u>AE</u>	<u>-26</u>	<u>-2</u>	<u>18307</u>			<u>SG-04</u>	<u>1235</u>	<u>AE</u>	<u>-30</u>	<u>-10</u>	<u>37793</u>			<u>SG-01</u>	<u>1245</u>	<u>AE</u>	<u>-30</u>	<u>-8</u>	<u>16976</u>		
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<p><b>Comments:</b></p> <p>Samples Relinquished by / Company: <u>Labella Secure building</u> Date/Time: <u>3-16-22 12:10</u></p> <p>Samples Relinquished by / Company: <u>Labella</u> Date/Time: <u>3-16-22 15:10</u></p> <p>Samples Relinquished by / Company: <u>Chic York</u> Date/Time: <u>3/16/22 15:10</u></p> <p>Samples Relinquished by / Company: <u>Ivan B</u> Date/Time: <u>3/17/22 12:20</u></p> <p>Samples Relinquished by / Company: <u>Jake</u> Date/Time: <u>3/17/22 15:00</u></p> <p>Rel: Ivan B 3/17/22</p>																																																																									



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: AIR  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378  
 Canister Id: 352

## Custody Information

Collected by: BF  
 Received by: LB  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

10:45  
 15:55

Project ID: YONKERS  
 Client ID: SG-06

## Laboratory Data

SDG ID: GCK95648  
 Phoenix ID: CK95648

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/29/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/29/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/29/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/29/22	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/29/22	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/29/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/29/22	KCA	1
1,2,4-Trimethylbenzene	2.36	0.204	0.204	11.6	1.00	1.00	03/29/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/29/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/29/22	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/29/22	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/29/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/29/22	KCA	1
1,3,5-Trimethylbenzene	0.538	0.204	0.204	2.64	1.00	1.00	03/29/22	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/29/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/29/22	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/29/22	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/29/22	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/29/22	KCA	1
4-Ethyltoluene	2.53	0.204	0.204	12.4	1.00	1.00	03/29/22	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/29/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/29/22	KCA	1
Acetone	1.34	0.421	0.421	3.18	1.00	1.00	03/29/22	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/29/22	KCA	1
Benzene	0.615	0.313	0.313	1.96	1.00	1.00	03/29/22	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/29/22	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/29/22	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/29/22	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/29/22	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/29/22	KCA	1
Carbon Tetrachloride	0.039	0.032	0.032	0.25	0.20	0.20	03/29/22	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/29/22	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/29/22	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/29/22	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/29/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/29/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/29/22	KCA	1
Cyclohexane	0.558	0.291	0.291	1.92	1.00	1.00	03/29/22	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/29/22	KCA	1
Dichlorodifluoromethane	0.222	0.202	0.202	1.10	1.00	1.00	03/29/22	KCA	1
Ethanol	1.73	0.531	0.531	3.26	1.00	1.00	03/29/22	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/29/22	KCA	1
Ethylbenzene	2.10	0.230	0.230	9.11	1.00	1.00	03/29/22	KCA	1
Heptane	0.626	0.244	0.244	2.56	1.00	1.00	03/29/22	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/29/22	KCA	1
Hexane	2.43	0.284	0.284	8.56	1.00	1.00	03/29/22	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	03/29/22	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/29/22	KCA	1
m,p-Xylene	8.20	0.230	0.230	35.6	1.00	1.00	03/29/22	KCA	1
Methyl Ethyl Ketone	0.651	0.339	0.339	1.92	1.00	1.00	03/29/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/29/22	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	03/29/22	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/29/22	KCA	1
o-Xylene	3.01	0.230	0.230	13.1	1.00	1.00	03/29/22	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/29/22	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/29/22	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/29/22	KCA	1
Tetrachloroethene	1.38	0.037	0.037	9.35	0.25	0.25	03/29/22	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/29/22	KCA	1
Toluene	6.82	0.266	0.266	25.7	1.00	1.00	03/29/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/29/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/29/22	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/29/22	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	03/29/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/29/22	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/29/22	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	99	%	%	99	%	%	03/29/22	KCA	1
% IS-1,4-Difluorobenzene	127	%	%	127	%	%	03/29/22	KCA	1
% IS-Bromochloromethane	124	%	%	124	%	%	03/29/22	KCA	1
% IS-Chlorobenzene-d5	130	%	%	130	%	%	03/29/22	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3LOD/ RL MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**

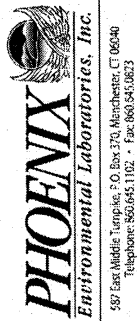


# Sample Criteria Exceedances Report

## GCK95648 - LABELLA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK95648	\$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	1.38	0.037	0.443	0.443	ppbv
CK95648	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.039	0.032	0.032	0.032	ppbv

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



597 East Middle Turnpike, P.O. Box 270, Meriden, CT 06640  
 Telephone: 860-645-1102 • Fax: 860-645-0823

LABELLA

CHAIN OF CUSTODY RECORD

AIR ANALYSES

860-645-1102

email: greg@phoenixlabs.com

P.O. # 2221378

Page 1 of 1

Data Delivery:

Fax #:

Email: bfields@labellape.com

Phone #: 730-626-6362

Report to: **Branson**

Customer: **Labella Associates DPC**

Address: **5 McCrea Hill Rd., Ballston Spa, NY 12020**

Project Name: **Yunkers**

Invoice to: **Acct - Payable**

Sampled by: **Branson Fields**

Requested Deliverable: **RCP MCP NJ Deliverables**

Quote Number:

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	A/P/H			
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)						Canister Pressure at End ("Hg)		
95648	5606	352	6.0L	-30	-5	5000	43	1045										X	X

Relinquished by: **Branson Fields / Labella**

Accepted by: **Greg Fields**

Date: **3/26/22**

Time: **13:00**

Signature: **[Signature]**

Date: **3/29/22**

Requested Criteria: **TAC I/C TAC RES SVWC I/C SVWC RES GWV I/C GWV CES**

Requested Criteria: **Indoor Air: Residential Ind/Commercial; Soil Gas: Residential Ind/Commercial**

Requested Criteria: **Indoor Air: Residential Ind/Commercial; Vapor Intrusion**

Requested Criteria: **Indoor Air: Residential Non-residential; Indoor Air: Residential Industrial Sub-slab Residential Industrial**

State Where Samples Collected: **NY**

Humoural Time:  1 Day  2 Day  3 Day  4 Day  5 Day

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:  
 (1) - 6.0L 2 hr., 3ft Tubing, 1 Connectors  
 \* 24hr TAT\*



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

9:05  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95792

Project ID: YONKERS 2221378  
 Client ID: SB-19(0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.45	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	11.0	0.89	mg/Kg	1	03/29/22	TH	SW6010D
Barium	202	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.41	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.45	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	21.4	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Copper	47.3	0.9	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.35	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	234	4.5	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	18.1	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Lead	715	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	2.6	1.8	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	21.4	0.45	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	262	0.9	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	79		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.50	0.50	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	8.03	1.00	pH Units	1	03/28/22 22:06	DT	SW846 9045D 1
Redox Potential	227		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	1.98	0.53	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	160	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	160	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	320	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	3200	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	160	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	160	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	320	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	320	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	68		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	91		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	82	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	73		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	74		%	2	03/29/22	SC	30 - 150 %
% TCMX	63		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	61		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	14	12	ug/Kg	10	03/29/22	AW	SW8081B
4,4' -DDE	25	12	ug/Kg	10	03/29/22	AW	SW8081B
4,4' -DDT	120	12	ug/Kg	10	03/29/22	AW	SW8081B
a-BHC	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	21	4.1	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	4.1	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	88	41	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	19	4.1	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	9.1	4.1	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	8.2	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	41	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	52		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	67		%	2	03/29/22	AW	30 - 150 %
% TCMX	50		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	65		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2-Chlorotoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
4-Chlorotoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Acrylonitrile	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Benzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromochloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromodichloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromoform	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromomethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Carbon Disulfide	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Carbon tetrachloride	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloroform	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dibromochloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dibromomethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Ethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Naphthalene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
n-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
n-Propylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
o-Xylene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
sec-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Styrene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
tert-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Toluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Total Xylenes	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Trichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96		%	1	03/28/22	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/28/22	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/28/22	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/28/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	87	ug/kg	1	03/28/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	660	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	300	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	830	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	490	410	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	290	290	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	330	290	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	290	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	390	290	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	410	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	83		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	60		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	63		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	66		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	61		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B\* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

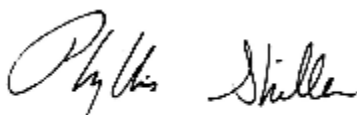
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**





Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

9:15  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95793

Project ID: YONKERS 2221378  
 Client ID: SB-19(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	4.34	0.70	mg/Kg	1	03/29/22	TH	SW6010D
Barium	408	0.35	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.35	0.28	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.29	0.35	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	20.1	0.35	mg/Kg	1	03/29/22	TH	SW6010D
Copper	47.6	0.7	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.29	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	255	3.5	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	18.0	0.35	mg/Kg	1	03/29/22	TH	SW6010D
Lead	901	3.5	mg/Kg	10	03/29/22	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	20.1	0.35	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	325	0.7	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	84		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.42	0.42	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	8.17	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	240		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.54	0.54	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	300	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	3000	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	300	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	300	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	70		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	93		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	150	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	74		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	74		%	2	03/29/22	SC	30 - 150 %
% TCMX	62		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	62		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	25	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	64	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	200	12	ug/Kg	10	03/29/22	AW	SW8081B
a-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	38	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	180	39	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	55	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	21	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	50		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	73		%	2	03/29/22	AW	30 - 150 %
% TCMX	54		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	71		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2-Chlorotoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
4-Chlorotoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Acrylonitrile	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Benzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromochloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromodichloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromoform	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Bromomethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Carbon Disulfide	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Carbon tetrachloride	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chlorobenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloroform	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Chloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dibromochloromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dibromomethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Ethylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	03/28/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Naphthalene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
n-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
n-Propylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
o-Xylene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
sec-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Styrene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
tert-Butylbenzene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Toluene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Total Xylenes	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/28/22	JLI	SW8260C
Trichloroethene	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/Kg	1	03/28/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97		%	1	03/28/22	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	03/28/22	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	03/28/22	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/28/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	87	ug/kg	1	03/28/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	690	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	960	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	700	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	690	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	710	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	780	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	560	390	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	810	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	830	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

B\*

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	700	270	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	330	270	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	1100	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	59		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	46		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	42		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	46		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	48		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	46		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B\* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

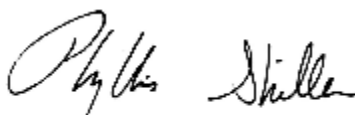
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 03/28/22 10:20  
 03/28/22 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95794

Project ID: YONKERS 2221378  
 Client ID: SB-20(0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.45	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	6.63	0.91	mg/Kg	1	03/29/22	TH	SW6010D
Barium	198	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.39	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.88	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	25.7	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Copper	62.7	0.9	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.29	0.04	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	368	4.5	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	17.4	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Lead	673	0.45	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.8	1.8	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	25.7	0.45	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	765	9.1	mg/Kg	10	03/29/22	TH	SW6010D
Percent Solid	68		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 5.2	5.2	mg/Kg	10	03/29/22	BJA	SW7196A
pH at 25C - Soil	7.72	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	255		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	0.74	0.67	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	180	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	180	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	360	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	3600	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	180	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	180	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	360	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	360	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	64		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	91		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	97	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	67		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	62		%	2	03/29/22	SC	30 - 150 %
% TCMX	62		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	61		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	17	2.9	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	35	2.9	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	54	2.9	ug/Kg	2	03/29/22	AW	SW8081B
a-BHC	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	26	4.9	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	4.9	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	93	49	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	4.9	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.9	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	8.0	4.9	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B



Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	9.7	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	49	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	190	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	42		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	65		%	2	03/29/22	AW	30 - 150 %
% TCMX	43		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	64		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	41	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	41	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	16	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	16	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	8.2	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	95		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	100	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	770	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	960	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	670	480	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	330	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	330	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D

B\*

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	330	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	ND	340	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	480	ug/Kg	1	03/29/22	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	55		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	38		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	33		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	39		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	41		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	40		%	1	03/29/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B\* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

**Semi-Volatile Comment:**

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

**Hexavalent Chromium:**

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

10:30  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95795

Project ID: YONKERS 2221378  
 Client ID: SB-20(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	2.71	0.72	mg/Kg	1	03/29/22	TH	SW6010D
Barium	101	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.35	0.29	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.31	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	20.9	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Copper	41.8	0.7	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.15	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	312	3.6	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	15.4	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Lead	303	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	20.9	0.36	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	284	0.7	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	85		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.46	0.46	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	8.18	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	248		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.53	0.53	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	2900	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	150	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	71		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	94		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	79		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	70		%	2	03/29/22	SC	30 - 150 %
% TCMX	70		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	16	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	63	2.3	ug/Kg	2	03/29/22	AW	SW8081B
a-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	12	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	7.5	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B

Client ID: SB-20(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	59		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	78		%	2	03/29/22	AW	30 - 150 %
% TCMX	56		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	76		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	12	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C



Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	95		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	88	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	780	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	560	390	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

B\*

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	71		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	53		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	58		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	58		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	54		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B\* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

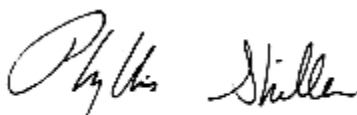
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

11:05  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95796

Project ID: YONKERS 2221378  
 Client ID: SB-21(0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	2.05	0.69	mg/Kg	1	03/29/22	TH	SW6010D
Barium	70.4	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.34	0.27	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.15	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	31.4	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Copper	35.5	0.7	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.10	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	611	3.4	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	30.6	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Lead	49.4	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	31.4	0.34	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	56.1	0.7	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	90		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	8.22	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	248		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.62	0.62	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Client ID: SB-21(0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	71		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	88		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	73	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	68		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	03/29/22	SC	30 - 150 %
% TCMX	64		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.2	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	4.3	2.2	ug/Kg	2	03/29/22	AW	SW8081B
a-BHC	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	ND	5.0	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.3	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	51		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	65		%	2	03/29/22	AW	30 - 150 %
% TCMX	99		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	69		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	9.6	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.6	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	9.6	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.6	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.6	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	72	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	580	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	730	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	370	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

B



Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	360	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	81		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	60		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	64		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	67		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	60		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

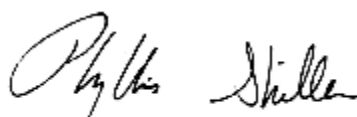
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

11:20  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95797

Project ID: YONKERS 2221378  
 Client ID: SB-21(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	2.16	0.73	mg/Kg	1	03/29/22	TH	SW6010D
Barium	49.6	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.34	0.29	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	0.89	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	19.1	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Copper	26.4	0.7	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.06	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	341	3.6	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	14.1	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Lead	41.3	0.36	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	19.1	0.36	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	42.5	0.7	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	89		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	7.80	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	248		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	70		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	90		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	73		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	70		%	2	03/29/22	SC	30 - 150 %
% TCMX	69		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	69		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.2	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	03/29/22	AW	SW8081B
a-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	ND	37	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B

Client ID: SB-21(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	37	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	50		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	66		%	2	03/29/22	AW	30 - 150 %
% TCMX	62		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	68		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	9.8	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	9.8	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.8	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.8	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	4.9	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	73	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	290	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	320	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	310	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	280	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	730	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	320	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	650	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	270	260	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	310	260	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	600	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	81		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	61		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	64		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	66		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	61		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

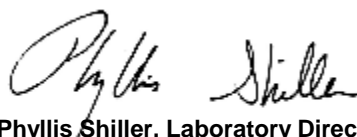
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

  
**Phyllis Shiller, Laboratory Director**  
**March 29, 2022**  
**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

03/28/22  
 03/28/22

## Time

12:10  
 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95798

Project ID: YONKERS 2221378  
 Client ID: SB-22(0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	5.21	0.84	mg/Kg	1	03/29/22	TH	SW6010D
Barium	107	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.40	0.34	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	2.11	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	23.4	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Copper	133	0.8	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.37	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	322	4.2	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	18.6	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Lead	425	0.42	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	23.4	0.42	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	290	0.8	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	85		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	7.56	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	249		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.49	0.49	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B



Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	2900	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	290	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	71		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	91		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	78	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	86		%	2	03/29/22	SC	30 - 150 %
% TCMX	73		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	75		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	23	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	85	12	ug/Kg	10	03/29/22	AW	SW8081B
4,4' -DDT	120	12	ug/Kg	10	03/29/22	AW	SW8081B
a-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	ND	5.0	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	ND	3.9	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.8	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	69		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	48		%	2	03/29/22	AW	30 - 150 %
% TCMX	77		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	63		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	9.4	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.4	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	9.4	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.4	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.4	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	4.7	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	71	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	780	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	ND	270	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	390	ug/Kg	1	03/29/22	WB	SW8270D
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	85		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	55		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	57		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	62		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	63		%	1	03/29/22	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

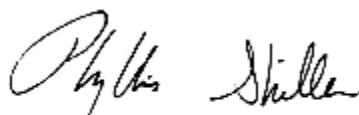
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:  
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

March 29, 2022

FOR: Attn: Branson Fields  
 Labella Associates DPC  
 5 McCrea Hill Rd.,  
 Ballston Spa, NY 12020

## Sample Information

Matrix: SOIL  
 Location Code: LABELLA  
 Rush Request: 24 Hour  
 P.O.#: 2221378

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 03/28/22 12:20  
 03/28/22 15:55

## Laboratory Data

SDG ID: GCK95792  
 Phoenix ID: CK95799

Project ID: YONKERS 2221378  
 Client ID: SB-22(2-4 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Arsenic	2.08	0.75	mg/Kg	1	03/29/22	TH	SW6010D
Barium	56.0	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Beryllium	0.38	0.30	mg/Kg	1	03/29/22	TH	SW6010D
Cadmium	1.00	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Chromium	22.2	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Copper	16.1	0.7	mg/kg	1	03/29/22	TH	SW6010D
Mercury	0.07	0.03	mg/Kg	2	03/29/22	MGH	SW7471B
Manganese	250	3.7	mg/Kg	10	03/29/22	TH	SW6010D
Nickel	13.4	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Lead	39.1	0.37	mg/Kg	1	03/29/22	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	03/29/22	TH	SW6010D
Trivalent Chromium	22.2	0.37	mg/kg	1	03/29/22		CALC 6010-7196
Zinc	42.9	0.7	mg/Kg	1	03/29/22	TH	SW6010D
Percent Solid	88		%		03/28/22	K	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.39	0.39	mg/Kg	1	03/29/22	BJA	SW7196A
pH at 25C - Soil	7.33	1.00	pH Units	1	03/28/22 22:07	DT	SW846 9045D 1
Redox Potential	257		mV	1	03/28/22	DT	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57	mg/Kg	1	03/29/22	M/BJA/DI	SW9012B
Soil Extraction for PCB	Completed				03/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed				03/28/22	O/E	SW3545A
Field Extraction	Completed				03/28/22		SW5035A 1
Mercury Digestion	Completed				03/29/22	AB/AB	SW7471B
Soil Extraction for Herbicide	Completed				03/28/22	M/DW	SW3546
Soil Extraction for SVOA	Completed				03/28/22	B/A	SW3546
Total Metals Digest	Completed				03/28/22	P/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Chlorinated Herbicides</u></b>							
2,4,5-T	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-D	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
2,4-DB	ND	2800	ug/Kg	10	03/29/22	JRB	SW8151A
Dalapon	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dicamba	ND	140	ug/Kg	10	03/29/22	JRB	SW8151A
Dichloroprop	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
Dinoseb	ND	280	ug/Kg	10	03/29/22	JRB	SW8151A
<b><u>QA/QC Surrogates</u></b>							
% DCAA	68		%	10	03/29/22	JRB	30 - 150 %
% DCAA (Confirmation)	95		%	10	03/29/22	JRB	30 - 150 %
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1221	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1232	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1242	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1248	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1254	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1260	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1262	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
PCB-1268	ND	75	ug/Kg	2	03/29/22	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75		%	2	03/29/22	SC	30 - 150 %
% DCBP (Confirmation)	76		%	2	03/29/22	SC	30 - 150 %
% TCMX	69		%	2	03/29/22	SC	30 - 150 %
% TCMX (Confirmation)	71		%	2	03/29/22	SC	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	03/29/22	AW	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	03/29/22	AW	SW8081B
a-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
a-Chlordane	ND	3.8	ug/Kg	2	03/29/22	AW	SW8081B
Aldrin	ND	3.8	ug/Kg	2	03/29/22	AW	SW8081B
b-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Chlordane	ND	38	ug/Kg	2	03/29/22	AW	SW8081B
d-BHC	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
g-BHC	ND	1.5	ug/Kg	2	03/29/22	AW	SW8081B
g-Chlordane	ND	3.8	ug/Kg	2	03/29/22	AW	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	7.5	ug/Kg	2	03/29/22	AW	SW8081B
Methoxychlor	ND	38	ug/Kg	2	03/29/22	AW	SW8081B
Toxaphene	ND	150	ug/Kg	2	03/29/22	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	57		%	2	03/29/22	AW	30 - 150 %
% DCBP (Confirmation)	71		%	2	03/29/22	AW	30 - 150 %
% TCMX	107		%	2	03/29/22	AW	30 - 150 %
% TCMX (Confirmation)	73		%	2	03/29/22	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
2-Chlorotoluene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
2-Hexanone	ND	22	ug/Kg	1	03/29/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
4-Chlorotoluene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/Kg	1	03/29/22	JLI	SW8260C
Acetone	ND	22	ug/Kg	1	03/29/22	JLI	SW8260C
Acrylonitrile	ND	8.6	ug/Kg	1	03/29/22	JLI	SW8260C
Benzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Bromobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Bromochloromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Bromodichloromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Bromoform	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Bromomethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon Disulfide	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Carbon tetrachloride	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Chlorobenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Chloroform	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Chloromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C



Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromochloromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Dibromomethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Ethylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Isopropylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
m&p-Xylene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	ug/Kg	1	03/29/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.6	ug/Kg	1	03/29/22	JLI	SW8260C
Methylene chloride	ND	8.6	ug/Kg	1	03/29/22	JLI	SW8260C
Naphthalene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
n-Butylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
n-Propylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
o-Xylene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
sec-Butylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Styrene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
tert-Butylbenzene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrachloroethene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.6	ug/Kg	1	03/29/22	JLI	SW8260C
Toluene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Total Xylenes	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.6	ug/Kg	1	03/29/22	JLI	SW8260C
Trichloroethene	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
Vinyl chloride	ND	4.3	ug/Kg	1	03/29/22	JLI	SW8260C
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97		%	1	03/29/22	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	03/29/22	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	03/29/22	JLI	70 - 130 %
% Toluene-d8	95		%	1	03/29/22	JLI	70 - 130 %
<b><u>1,4-dioxane</u></b>							
1,4-dioxane	ND	65	ug/kg	1	03/29/22	JLI	SW8260C
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4-Dichlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	03/29/22	WB	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Acetophenone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Aniline	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzidine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Benzoic acid	ND	740	ug/Kg	1	03/29/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Carbazole	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-butylphthalate	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D

B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Isophorone	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Phenol	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyrene	ND	260	ug/Kg	1	03/29/22	WB	SW8270D
Pyridine	ND	370	ug/Kg	1	03/29/22	WB	SW8270D
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	92		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	03/29/22	WB	30 - 130 %
% 2-Fluorophenol	59		%	1	03/29/22	WB	30 - 130 %
% Nitrobenzene-d5	61		%	1	03/29/22	WB	30 - 130 %
% Phenol-d5	69		%	1	03/29/22	WB	30 - 130 %
% Terphenyl-d14	69		%	1	03/29/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

**Volatile Comment:**

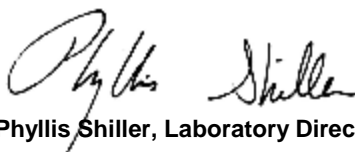
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

**Hexavalent Chromium:**

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**March 29, 2022**

**Official Report Release To Follow**

# Sample Criteria Exceedances Report

Criteria: NY: 375, 375COM, 375RRS, 375RS

GCK95792 - LABELLA

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK95792	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	25	12	3.3	3.3	ug/Kg
CK95792	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	12	3.3	3.3	ug/Kg
CK95792	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	19	4.1	5	5	ug/Kg
CK95792	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	14	12	3.3	3.3	ug/Kg
CK95792	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.35	0.03	0.18	0.18	mg/Kg
CK95792	PB-SM	Lead	NY / 375-6.8 Metals / Residential	715	0.45	400	400	mg/Kg
CK95792	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	715	0.45	400	400	mg/Kg
CK95792	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	715	0.45	63	63	mg/Kg
CK95792	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	262	0.9	109	109	mg/Kg
CK95793	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	700	270	500	500	ug/Kg
CK95793	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	700	270	500	500	ug/Kg
CK95793	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	700	270	500	500	ug/Kg
CK95793	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	150	78	100	100	ug/Kg
CK95793	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Residential	55	3.9	39	39	ug/Kg
CK95793	\$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	55	3.9	5	5	ug/Kg
CK95793	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	200	12	3.3	3.3	ug/Kg
CK95793	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	25	2.3	3.3	3.3	ug/Kg
CK95793	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	64	2.3	3.3	3.3	ug/Kg
CK95793	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	408	0.35	400	400	mg/Kg
CK95793	BA-SM	Barium	NY / 375-6.8 Metals / Residential	408	0.35	350	350	mg/Kg
CK95793	BA-SM	Barium	NY / 375-6.8 Metals / Residential Restricted	408	0.35	400	400	mg/Kg
CK95793	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	408	0.35	350	350	mg/Kg
CK95793	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.03	0.18	0.18	mg/Kg
CK95793	PB-SM	Lead	NY / 375-6.8 Metals / Residential	901	3.5	400	400	mg/Kg
CK95793	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	901	3.5	400	400	mg/Kg
CK95793	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	901	3.5	63	63	mg/Kg
CK95793	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	325	0.7	109	109	mg/Kg
CK95794	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	17	2.9	3.3	3.3	ug/Kg
CK95794	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	35	2.9	3.3	3.3	ug/Kg
CK95794	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	54	2.9	3.3	3.3	ug/Kg
CK95794	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	62.7	0.9	50	50	mg/kg
CK95794	HEXCRSM	Chromium, Hex. (SW3060 digestion)	NY / 375-6.8 Metals / Unrestricted Use Soil	BRL	5.2	1	1	mg/Kg
CK95794	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.04	0.18	0.18	mg/Kg
CK95794	PB-SM	Lead	NY / 375-6.8 Metals / Residential	673	0.45	400	400	mg/Kg
CK95794	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	673	0.45	400	400	mg/Kg
CK95794	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	673	0.45	63	63	mg/Kg
CK95794	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	765	9.1	109	109	mg/Kg
CK95795	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	63	2.3	3.3	3.3	ug/Kg
CK95795	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	16	2.3	3.3	3.3	ug/Kg
CK95795	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	303	0.36	63	63	mg/Kg

Criteria: NY: 375, 375COM, 375RRS, 375RS

State: NY

# Sample Criteria Exceedances Report

GCK95792 - LABELLA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK95795	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	284	0.7	109	109	mg/Kg
CK95796	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.3	2.2	3.3	3.3	ug/Kg
CK95796	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.4	0.34	30		mg/Kg
CK95796	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.6	0.34	30	30	mg/Kg
CK95798	\$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	23	2.3	3.3	3.3	ug/Kg
CK95798	\$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	85	12	3.3	3.3	ug/Kg
CK95798	\$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	12	3.3	3.3	ug/Kg
CK95798	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	133	0.8	50	50	mg/kg
CK95798	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.37	0.03	0.18	0.18	mg/Kg
CK95798	PB-SM	Lead	NY / 375-6.8 Metals / Residential	425	0.42	400	400	mg/Kg
CK95798	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	425	0.42	400	400	mg/Kg
CK95798	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	425	0.42	63	63	mg/Kg
CK95798	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	290	0.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**NY/NJ/PA CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823  
Client Services (860) 645-3219

Cooler: Yes  No   
Coolant: IPK  ICE   
Temp: 17°C Pg.  of

Contact Options:  
Phone: 720-626-6362  
Fax:  
Email: bsew@labelabs.com

Project P.O.: 221378  
Project: Yankees 221378  
Report to: Accounts Payable (apps@labelabs.com)  
Invoice to: Accounts Payable (apps@labelabs.com)  
QUOTE #:

Customer: Labella Associates  
Address: 4 B. Lion Avenue Bldg.  
Latham, NY 13110

Client Sample Information - Identification  
Sampler's Signature: *[Signature]* Date: 3/28/22  
Matrix Code:  
DW=Drinking Water GW=Ground Water SW=Surface Water WM=Waste Water  
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe  
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
95792	SB-19 (0-2 ft)	S	3/28/22	0905
95793	SB-19 (2-4 ft)			0915
95794	SB-20 (0-2 ft)			1020
95795	SB-20 (2-4 ft)			1030
95796	SB-21 (0-2 ft)			1105
95797	SB-21 (2-4 ft)			1120
95798	SB-22 (0-2 ft)			1210
95799	SB-23 (2-4 ft)			1220

Analysis Request

*NYSDC Field Lab*  
*Ref: 3355*  
*5 VOCs*  
*PCBs*  
*Metals*  
*Metals*  
*PCBs*  
*Hx*  
*PCBs*  
*Metals*  
*Metals*

GL VOA Vials (Metanol/H2O)	GL VOA Vials (H2PO4)	GL VOA Vial (As Is) (HCl)	GL Amber 1000ml (As Is) (HCl)	PL H2SO4 [ 250ml ] (As Is) (H2SO4)	PL H2SO4 [ 250ml ] (500ml)	PL HNO3 250ml	Bacteriologic W/ho
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Relinquished by: Brandon Fields/ Labella Client Btw 1000  
Accepted by: *[Signature]*  
Date: 3/28/22 Time: 13:00  
3/28/22 15:55

Turnaround:  1 Day\*  
 2 Days\*  
 3 Days\*  
 5 Days  
 10 Days  
 #Other

Data Package:  
 NJ Reduced Deliv.\*  
 NY Enhanced (ASP B)\*

Data Format:  
 #Phoenix Std Report  
 Excel  
 PDF  
 GIS/Key

Other:  
 EQuIS  
 NJ Hazsite EDD  
 NY EZ EDD

Res. Criteria  
 Non-Res. Criteria  
 Impact to GW Soil  
 #Cleanup Criteria  
 Impact to GW soil screen Criteria  
 GW Criteria

NY  
 TOGS GW  
 CP-51 SOIL  
 375SCO  
 Unrestricted Soil  
 375SCO  
 Residential Soil  
 375SCO  
 Residential Restricted Soil  
 375SCO  
 #Commercial Soil  
 375SCO  
 #Industrial Soil  
 #Subpart 5 DW

PA  
 Clean Fill Limits  
 PA-GW  
 Reg Fill Limits  
 PA Soil Restricted  
 PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:  
\* 24-hr TAT  
for ALL samples \*