

**842-850 LEXINGTON AVENUE &
4 RALPH AVENUE
BROOKLYN, NEW YORK 11221**

Remedial Investigation Report

E-Designation Number: E-285

OER Site Number: 22TMP1075K

VCP Number: TBD

Prepared for:

852 Lexington Avenue Realty LLC
842 Lexington Avenue
Brooklyn, NY 11221

Prepared by:

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MARCH 2022

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photo-ionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Kevin Brussee, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(tt). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located 842-850 Lexington Avenue and 4 Ralph Avenue, Brooklyn, NY 11221 (OER Project Number: 22TMP1075K, NYC VCP Site No. TBD). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Kevin Brussee

Qualified Environmental Professional

2/1/2012

Date



Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 842-850 Lexington Avenue and 4 Ralph Avenue in the Bedford-Stuyvesant section of Brooklyn and is identified as a Block 1628, Lot Nos. 34, 28, and 42 on the New York City Tax Map. The three combined lots consist of 150 ft of street frontage along Lexington Avenue and 45 ft of street frontage along Ralph Avenue for a total of 19,500 square feet (SF). The site is currently developed with three interconnected 1 to 3-story commercial buildings, two of which have basements. People's Department Store currently occupies the onsite buildings and uses the basement for inventory storage. A description of each of the three lots is provided below:

- Lot 42 – 4 Ralph Avenue – A 4,500 SF lot consisting of 45 ft of street frontage along Ralph Avenue and a depth of 100 ft. The rear of Lot 42 is adjacent to the side of Lot 38. Lot 42 is currently developed with a 3-story brick building with a full basement covering the entire lot. The basement is approximately 8 ft deep, and is utilized for storage.
- Lot 38 – 850 Lexington Avenue – A 5,000 SF lot consisting of 50 ft of street frontage along Lexington Avenue and a depth of 100 ft. Lot 50 is located between Lot 34 to the west and Lot 42. Lot 50 is currently developed with a 1-story manufacturing building covering the entire lot with a partial basement present on the north side of the lot along Lexington Avenue. The partial basement is approximately 3,000 SF, 8 ft deep, and is utilized for storage.
- Lot 34 – 842 Lexington Avenue – A 10,000 SF lot consisting of 100 ft of street frontage along Lexington Avenue and a depth of 100 ft. Lot 34 is located immediately west of Lot 38. Lot 34 is currently developed with 1-story former parking garage building (converted into use as a department store) covering the entire lot with a small partial basement in the

northwest corner of the lot. The small partial basement is approximately 225 SF (15 ft by 15 ft), 8-ft deep, and contains an old coal-fired furnace.

The Site is bounded by Lexington Avenue to the north, a 3,000 SF grocery store to the northeast, Ralph Avenue adjacent to the Lot 42 (4 Ralph Avenue) portion of the Site, a 3-story church building to the southeast, several tightly grouped 3-story residences to the south of Lots 34 and 38 along Quincy Avenue, and a 6-story residential building to the west.

Summary of Proposed Redevelopment Plan

The redevelopment project consists of developing the site with a 10-story mixed-use building that will cover majority of the Site.

The new building will have a 19,067 SF cellar that will consist of a 30-car parking garage, a 2,187 SF commercial space which will be connected to a retail space on the 1st floor along the 4 Ralph Avenue portion of the Site, an 834 SF bike storage room, trash compactor room, and the buildings water meter room, fir pump room, and electrical meter room. The 1st floor will cover the entire footprint of the Site with the exception of a 5 ft by 8 ft cut out in the northwest corner of the building. The 1st floor will consist of indoor parking for 23 cars, the residential lobby with a mail room and package room, a 1,273 SF computer lounge, and a 3,584 SF commercial space that fronts Ralph Avenue. An 1,873 SF outdoor garden space will be constructed above the cellar behind the computer lounge. The 2nd through 10 floors will consist of residential apartments.

The top of the cellar slab will be constructed at a depth of approximately 10'-8". Therefore, excavation across the Site to a depth of at least 11.5 ft will be required for the new building's cellar, with additional deeper excavation to approximately 13.5 ft for footings/grade beams, and 16 ft for the elevator pit. An estimated 9,000 cubic yards / 13,500 tons of soil/fill will be removed from the site during redevelopment.

The water table was encountered at 39.4 ft below grade and therefore will not be encountered during excavation and dewatering will not be required. The current zoning designation is commercial (C4-4L). The proposed use of the new building is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Phase I Site Assessment Report (BEC, January 2022)

BEC was able to establish a history for the property dating back to 1888. According to a review of NYC records, Sanborn maps, aerial photographs, historic city directories, and historic topographic maps, the Site consisted of seven small tax lots prior to 1888. The one lot fronting east along Ralph Avenue (current Lot 42) was developed with a 2-story residence and several small outbuildings. The lots along Lexington Avenue were developed with a carpenter's shop (east, current Lot 38) and a 2.5-story residence, with three lots shown as undeveloped (current Lot 34). By 1908, the eastern parcel was redeveloped with a 3-story stable building that occupied the majority of current Lot 42. In addition, the carpenter's shop was enlarged and utilized by an architectural iron works and blacksmith. By the 1930s, current Lot 42 was redeveloped with a 3-story retail store, consistent with the current building. Portions along Lexington Avenue are shown as two lots. The former iron works is now shown as a carpet cleaning shop and storage facility. The remainder of the lots are developed with a garage building, which extends offsite to the west. A gasoline tank is depicted at the northwestern portion of the building. By 1950, the carpet cleaning facility is identified as a furniture storage facility and the garage identified as a retail store. The furniture storage facility was vacant by the mid-1960s and again identified as a furniture storage facility by the mid-1970s. The western retail building was identified as a beverage depot beginning in the late-1980s and as a non-specific commercial use beginning in 2001. The eastern building was also identified as a non-specific commercial use beginning in 2005.

The AOCs identified for this site include:

1. The historic presence (circa 1933-1951) of a garage with a gasoline underground storage tank (UST) present at the north-central portion of Lot 34 (842 Lexington Ave).
2. The historic use of the site as a carpenter shop, iron works, blacksmith, carpet cleaning.
3. The western adjacent property (Lot 30 – 834 Lexington Ave) is listed on several regulatory databases including the BROWNFIELDS, and NY SPILLS. This property was recently redeveloped with remedial activities completed; however, there is still an open petroleum spill and ongoing groundwater monitoring associated with the site.

4. Historic fill layer is present across the slab-on-grade portions of the site to depths as great as 5-10 ft below surface grade. Fill material was not encountered below the cellar slab.

The 2022 Phase I ESA report identified two recognized environmental conditions (RECs) which are described as follows:

- The Sanborn maps from 1933-1951 indicate that the western building (842 Lexington Avenue – Lot No. 34) was formerly utilized as a garage with a gasoline underground storage tank (UST) present at the north-central portion of the building. No evidence of this tank (i.e., vent and/or fill piping) was identified during the site inspection. However, no information regarding the status of this UST and/or soil conditions in its vicinity were available. As such, there is a potential for spills or releases from this UST and/or historic site operations to have impacted the subsurface beneath the subject property. Therefore, this UST and well as the historic use of the site (garage) represents a REC.
- Information obtained from multiple historic sources indicate that the western adjacent property (Lot 30 - 834 Lexington Avenue) is listed on several regulatory databases including the BROWNFIELDS and NYSPILLS. This property was recently redeveloped with remedial activities completed, with exception of an open petroleum spill and ongoing groundwater monitoring. Given that the open NYSDEC spill associated with this site has the potential to either impact groundwater beneath the subject site or be attributable to the gasoline UST identified on the subject property, BEC considers this site to be a REC.

Summary of the Work Performed under the Remedial Investigation

BEC performed the following scope of work within the boundary of the Site in February and March of 2022;

1. Conducted a site inspection on December 27, 2021, to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed nine soil borings (SB1–SB9) across the site, and collected eighteen soil samples and one duplicate for chemical analysis;
3. Installed one groundwater monitoring well (MW1) at the northwest corner of the site and collected one groundwater sample and one duplicate for chemical analysis. Due to the

current use as a department store, access to the interior of the building areas with a Geoprobe powerful enough to install monitoring wells to 45 ft below grade was not possible. Therefore, only one monitoring well (MW1) was installed;

4. Installed five soil vapor implants (SV1- SV5) across the slab-on-grade portion of the site and three sub-slab soil gas probes (SS2–SS4) in the cellar areas and collected five soil vapor samples and three sub-slab soil gas samples for chemical analysis.

Summary of Environmental Findings:

1. The elevation of the Site is approximately 55 feet above mean sea level;
2. Depth to groundwater was measured at 39.4 feet below sidewalk grade at Lot 34 on the western side of the site;
3. Regional groundwater flow is generally to the west-northwest, consistent with the regional trend;
4. Depth to bedrock at the Site is greater than 100 ft;
5. The stratigraphy of the site, from the surface down, consists of historic fill (brown, dark brown, black, and gray silt/sand mixtures with gravel, brick, ash, and concrete) to depths as great as 5 to 10 feet below the slab-on-grade foundation underlain by brown, light brown, and gray sand and silty sand with gravel to depths as great as 15 ft below the slab-on-grade foundation. The stratigraphy of the site below the cellar slab consists of brown sand and silty sand with gravel to depths as great as 4 ft below cellar slab / 13 ft below surface grade.
6. Soil/fill samples were collected during the RI and the results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples showed the following:
 - One VOC, acetone (max. of 930 µg/kg) was detected within one of the soil samples above UUSCOs. Several VOCs were detected at trace concentrations below UUSCOs including 2-hexanone (8.1 µg/kg), 4-methyl-2-pentanone (9.1 µg/kg), ethylbenzene (max. of 1.1 µg/kg), hexachlorobutadiene (1.5 µg/kg), m&p-xylene (max. of 2.2 µg/kg), methyl ethyl ketone (65 µg/kg), methyl t-buthyl ether (4 µg/kg), tetrachloroethene (2 µg/kg), and trichloroethene (max. of 1.6 µg/kg);

- Seven SVOCs including benz(a)anthracene (max. of 5,600 µg/Kg), benzo(a)pyrene (max. of 4,600 µg/Kg), benzo(b)fluoranthene (max. of 4,500 µg/Kg), benzo(k)fluoranthene (max. of 3,800 µg/Kg), chrysene (max. of 5,900 µg/Kg), dibenz(a,h)anthracene (max. of 1,300 µg/Kg), and indeno(1,2,3-cd)pyrene (max. of 4,000 µg/Kg) were detected above UUSCOs and RRSCOs within four of the shallow soil samples;
 - No PCBs were detected within any of the soil samples;
 - Two pesticides including 4,4'-DDE (3.5 µg/kg), and 4,4'-DDT (37 µg/kg) were detected above UUSCOs within the shallow interval (0-2') soil sample from SB2. No pesticides were detected above RRSCOs;
 - Five metals including cadmium (max. of 3.34 mg/kg), copper (max. of 127 mg/kg), lead (max. of 251 mg/kg), mercury (max. of 0.53 mg/kg), and zinc (max. of 1,140 mg/kg) were detected above UUSCOs within soil samples collected across the Site. One metal, cadmium, was detected at a concentration exceeding its RRSCOs; and
 - No PFAS compounds were detected.
 - Overall, the soil results were consistent with data identified at sites with historic fill material and native soil in NYC.
7. Groundwater sample results collected during the RI were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:
- No VOCs were detected at concentrations above GQS. Trace concentrations of the VOCs chloroform (3.3 µg/L), tetrachloroethene (0.46 µg/L), toluene (3.4 µg/L), and trichloroethane (0.86 µg/L) were present at concentrations below GQS;
 - No SVOCs or PCBs were detected at any measurable concentrations within the groundwater sample;
 - The pesticide dieldrin (0.011 µg/L) was detected above GQS within the groundwater sample. Trace concentrations of 4,4-DDT (max. 0.039 mg/L) and aldrin (max. of 0.006 mg/L) were detected at concentrations below GQS;
 - The dissolved metal, sodium (352 mg/L) was detected above GQS within the groundwater sample;

- Perfluorooctanoic Acid (PFOA) (max. of 44.6 ng/L) and Perfluorooctanesulfonic Acid (PFOS) (max. of 22.4 ng/L) were detected above the 10 ng/L screening level for PFOA/PFOS as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within MW1;
 - No PFAS compounds were detected above the 100 ng/L screening level;
 - The MW1 groundwater sample had a total PFAS (including PFOA and PFOS) concentration below the 500 ng/L screening level (116.53 ng/L).
8. Soil vapor and sub-slab soil gas results collected during the RI were compared to the compounds listed in Table 3.1 Air Guidance Values derived by the New York State Department of Health (NYSDOH) located in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 and the revised NYSDOH Decision Matrices dated May 2017.
- The soil vapor results indicated low to moderate levels of petroleum-related VOCs (PVOCs) and chlorinated VOCs (CVOCs);
 - Total concentrations of petroleum-related VOCs (BTEX compounds) within the soil vapor samples ranged from 11.55 $\mu\text{g}/\text{m}^3$ to 172.49 $\mu\text{g}/\text{m}^3$;
 - The chlorinated solvent detections included: trichloroethene (TCE) (max. of 183 $\mu\text{g}/\text{m}^3$), tetrachloroethene (PCE) (max. of 36.3 $\mu\text{g}/\text{m}^3$), methylene chloride (4.41 $\mu\text{g}/\text{m}^3$), chloroform (max. of 9.37 $\mu\text{g}/\text{m}^3$), and carbon tetrachloride (max. of 1.77 $\mu\text{g}/\text{m}^3$);
 - The chlorinated VOCs 1,1-dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane (TCA), and vinyl chloride were not detected within any of the soil vapor samples; and,
 - The CVOCs tetrachloroethene (PCE), and trichloroethene (TCE) were detected within the monitoring level range established within the NYSDOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

852 Lexington Avenue Realty LLC intends to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate the 0.48-acre site located at 842-850 Lexington Avenue and 4 Ralph Avenue in the Bedford Stuyvesant section of Brooklyn, New York. The site will be redeveloped with a 10-story mixed use (residential and commercial) building. The RI work was conducted at the site in February and March of 2022. This RIR summarizes the nature and extent of contamination at the Site and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 842-850 Lexington Avenue and 4 Ralph Avenue in the Bedford-Stuyvesant section of Brooklyn and is identified as a Block 1628, Lot Nos. 34, 28, and 42 on the New York City Tax Map. The site location is shown on Figure 1. The three combined lots consist of 150 ft of street frontage along Lexington Avenue and 45 ft of street frontage along Ralph Avenue for a total of 19,500 square feet (SF). The site boundary is shown on Figure 2.

The Site is currently developed with three interconnected 1 to 3-story commercial buildings, two of which have basements. People's Department Store currently occupies the onsite buildings and uses the basement for inventory storage. A description of each of the three lots is provided below:

- Lot 42 – 4 Ralph Avenue – A 4,500 SF lot consisting of 45 ft of street frontage along Ralph Avenue and a depth of 100 ft. The rear of Lot 42 is adjacent to the side of Lot 38. Lot 42 is currently developed with a 3-story brick building with a full basement covering the entire lot. The basement is approximately 8 ft deep, and is utilized for storage.
- Lot 38 – 850 Lexington Avenue – A 5,000 SF lot consisting of 50 ft of street frontage along Lexington Avenue and a depth of 100 ft. Lot 50 is located between Lot 34 to the west and Lot 42. Lot 50 is currently developed with a 1-story manufacturing building

covering the entire lot with a partial basement present on the north side of the lot along Lexington Avenue. The partial basement is approximately 3,000 SF, 8 ft deep, and is utilized for storage.

- Lot 34 – 842 Lexington Avenue – A 10,000 SF lot consisting of 100 ft of street frontage along Lexington Avenue and a depth of 100 ft. Lot 34 is located immediately west of Lot 38. Lot 34 is currently developed with 1-story former parking garage building (converted into use as a department store) covering the entire lot with a small partial basement in the northwest corner of the lot. The small partial basement is approximately 225 SF (15 ft by 15 ft), 8-ft deep, and contains an old coal-fired furnace.

The Site is bounded by Lexington Avenue to the north, a 3,000 SF grocery store to the northeast, Ralph Avenue adjacent to the Lot 42 (4 Ralph Avenue) portion of the Site, a 3-story church building to the southeast, several tightly grouped 3-story residences to the south of Lots 34 and 38 along Quincy Avenue, and a 6-story residential building to the west.

1.2 Proposed Redevelopment Plan

The redevelopment project consists of developing the site with a 10-story mixed-use building that will cover majority of the Site.

The new building will have a 19,067 SF cellar that will consist of a 30-car parking garage, a 2,187 SF commercial space which will be connected to a retail space on the 1st floor along the 4 Ralph Avenue portion of the Site, an 834 SF bike storage room, trash compactor room, and the buildings water meter room, fir pump room, and electrical meter room. The 1st floor will cover the entire footprint of the Site with the exception of a 5 ft by 8 ft cut out in the northwest corner of the building. The 1st floor will consist of indoor parking for 23 cars, the residential lobby with a mail room and package room, a 1,273 SF computer lounge, and a 3,584 SF commercial space that fronts Ralph Avenue. An 1,873 SF outdoor garden space will be constructed above the cellar behind the computer lounge. The 2nd through 10 floors will consist of residential apartments. The layout of the proposed new building is shown on the attached Figure 3.

The top of the cellar slab will be constructed at a depth of approximately 10'-8". Therefore, excavation across the Site to a depth of at least 11.5 ft will be required for the new building's

cellar, with additional deeper excavation to approximately 13.5 ft for footings/grade beams, and 16 ft for the elevator pit. An estimated 9,000 cubic yards / 13,500 tons of soil/fill will be removed from the site during redevelopment.

The water table was encountered at 39.4 ft below grade and therefore will not be encountered during excavation and dewatering will not be required. The current zoning designation is commercial (C4-4L). The proposed use of the new building is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding the Site consists of residential, commercial, and institutional properties. The Brooklyn Excelsior K-12 Charter School located at 856 Quincy Avenue is approximately 250 ft to the south, and the Charles Churn K-12 Christian Academy located at 1052 Greene Avenue is approximately 250 ft to the north. There are no other sensitive receptors such as schools, day care facilities or hospitals that are located within a 500-foot radius of the Site. The adjacent properties are described in the table below. Figure 4 shows the surrounding land usage.

Surrounding Property Usage

Direction	Property Description
North – <i>Adjacent and Across Lexington Avenue</i>	<u>Block 1628, Lot 41 (2 Ralph Avenue) & Block 1623, Lots 46-57 (1262-1276 Broadway & 881-885 Lexington Avenue)</u> – Lexington Avenue and a commercial/retail building (2 Ralph Avenue) to the northeast, occupied by a fruit and vegetable market, followed by several mixed-use (commercial/retail and residential buildings) fronting along both Broadway and Lexington Avenue (1262-1276 Broadway).
East – <i>Adjacent Property</i>	<u>Block 1478, Lot 1 (1306 Broadway):</u> A 3-story mixed use building with a 1,178 SF area at the intersection Ralph Avenue and Broadway.
West – <i>Adjacent Property</i>	<u>Block 1628, Lot 30 (834 Lexington Avenue):</u> A 6-story residential apartment building covering a 10,000 SF area to the west of Lot 34.
South – <i>Adjacent Property</i>	<u>Block 1628, Lots, 44-57 (8 Ralph Avenue, and 825-835 Quincy Street)</u> – A 3-story church covering a 13,188 SF area at the intersection of Ralph Avenue and Quincy Street, to the south of Lot 42 and several tightly grouped 3-story residences along Quincy Street to the south of Lots 34 and 38.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment Report was completed by Brussee Environmental Corp. in January 2022. The following Site history was established based on historic Sanborn Maps, aerial photographs, and City Directory Listings:

BEC was able to establish a history for the property dating back to 1888. According to a review of NYC records, Sanborn maps, aerial photographs, historic city directories, and historic topographic maps, the Site consisted of seven small tax lots prior to 1888. The one lot fronting east along Ralph Avenue (current Lot 42) was developed with a 2-story residence and several small outbuildings. The lots along Lexington Avenue were developed with a carpenter's shop (east, current Lot 38) and a 2.5-story residence, with three lots shown as undeveloped (current Lot 34). By 1908, the eastern parcel was redeveloped with a 3-story stable building that occupied the majority of current Lot 42. In addition, the carpenter's shop was enlarged and utilized by an architectural iron works and blacksmith. By the 1930s, current Lot 42 was redeveloped with a 3-story retail store, consistent with the current building. Portions along Lexington Avenue are shown as two lots. The former iron works is now shown as a carpet cleaning shop and storage facility. The remainder of the lots are developed with a garage building, which extends offsite to the west. A gasoline tank is depicted at the northwestern portion of the building. By 1950, the carpet cleaning facility is identified as a furniture storage facility and the garage identified as a retail store. The furniture storage facility was vacant by the mid-1960s and again identified as a furniture storage facility by the mid-1970s. The western retail building was identified as a beverage depot beginning in the late-1980s and as a non-specific commercial use beginning in 2001. The eastern building was also identified as a non-specific commercial use beginning in 2005.

Based on the results of the site inspection, records review and interviews, it was determined that there were two RECs identified for the subject property. The RECs are summarized as follows:

- The Sanborn maps from 1933-1951 indicate that the western building (842 Lexington Avenue – Lot No. 34) was formerly utilized as a garage with a gasoline underground

storage tank (UST) present at the north-central portion of the building. No evidence of this tank (i.e., vent and/or fill piping) was identified during the site inspection. However, no information regarding the status of this UST and/or soil conditions in its vicinity were available. As such, there is a potential for spills or releases from this UST and/or historic site operations to have impacted the subsurface beneath the subject property. Therefore, this UST and well as the historic use of the site (garage) represents a REC.

- Information obtained from multiple historic sources indicate that the western adjacent property (834 Lexington Avenue) is listed on several regulatory databases including the BROWNFIELDS and NYSPILLS. This property was recently redeveloped with remedial activities completed, with exception of an open petroleum spill and ongoing groundwater monitoring. Given that the open NYSDEC spill associated with this site has the potential to either impact groundwater beneath the subject site or be attributable to the gasoline UST identified on the subject property, BEC considers this site to be a REC.

2.2 Previous Investigations

EBC is not aware of any prior investigations performed at the Site.

2.3 Site Inspection

BEC performed a site inspection on December 27, 2021, to identify areas of concern (AOCs) and physical obstructions (i.e., structures, accessible areas to perform Phase II, etc.). The reconnaissance included a visual inspection of the property, the sidewalk areas immediately adjacent to the Site, and the exteriors of adjacent/surrounding properties. At the time of the inspection, the Site was developed with three interconnected 1- to 3-story commercial buildings, all of which have basements. The Lot No. 34 building is 1-story with a partial basement at the northwest corner of the lot. The small, 225 SF basement contains an old coal-fired furnace. The building on Lot 34 occupies the entire parcel footprint, fronts north along Lexington Avenue, and has a reported area of 10,000 SF. The Lot No. 38 building is 1-story with a basement. This building occupies the entire parcel footprint, fronts north along Lexington Avenue, and has a reported area of 5,000 SF. The Lot No. 42 building is 3-stories with a basement, although the 3rd floor has a smaller footprint than the lower levels. This building occupies the entire parcel footprint, fronts east along Ralph Avenue, and has a reported area of 9,600 SF. Each of the

buildings are currently occupied by People's Department Store. The ground floor levels are comprised primarily of retail space, with some office and storage space. Basement levels and the upper floors of the Lot No. 42 building are utilized for storage. Utility and mechanical space are also located in the basements, and the first floor of the Lot No. 34 building.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The historic presence (circa 1933-1951) of a garage with a gasoline underground storage tank (UST) present at the north-central portion of Lot 34 (842 Lexington Ave).
2. The historic use of the site as a carpenter shop, iron works, blacksmith, carpet cleaning.
3. The western adjacent property (Lot 30 – 834 Lexington Ave) is listed on several regulatory databases including the BROWNFIELDS, and NY SPILLS. This property was recently redeveloped with remedial activities completed; however, there is still an open petroleum spill and ongoing groundwater monitoring associated with the site.
4. Historic fill layer is present across the slab-on-grade portions of the site to depths as great as 5-10 ft below surface grade. Fill material was not encountered below the cellar slab.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mrs. Chawinie Reilly.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

BEC performed the following scope of work within the boundary of the Site in February and March of 2022;

1. Conducted a site inspection on December 27, 2021, to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed nine soil borings (SB1–SB9) across the site, and collected eighteen soil samples and one duplicate for chemical analysis;
3. Installed one groundwater monitoring well (MW1) at the northwest corner of the site and collected one groundwater sample and one duplicate for chemical analysis. Due to the current use as a department store, access to the interior of the building areas with a Geoprobe powerful enough to install monitoring wells to 45 ft below grade was not possible. Therefore, only one monitoring well (MW1) was installed;
4. Installed five soil vapor implants (SV1- SV5) across the slab-on-grade portion of the site and three sub-slab soil gas probes (SS2–SS4) in the cellar areas and collected five soil vapor samples and three sub-slab soil gas samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was performed by Coastal Environmental Solutions, Inc. on February 24, 2022, within the loading bay area (northwest corner of Lot 34) where the underground storage tank was previously noted on the Sanborn maps. The geophysical survey included a ground penetrating radar survey which was conducted within the accessible portions of the loading bay and the immediate opposite side of the department store wall. No anomalies indicative of an underground storage tanks (USTs) was identified.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On February 24, 2022, a total of six soil borings (SB1, SB2, SB5, SB6, SB8, SB9) were installed. Soil borings SB1 and SB2 were installed within the loading bay in the northwest corner of Lot 34 to a depth of approximately 15 ft below sidewalk grade utilizing a track-mounted Geoprobe™ Model 6610DT equipped with a 5-ft long macro-core sampler and disposable acetate liners. Soil borings (SB5, SB6, SB8, and SB9) were installed to 4 ft below the cellar slab (13 ft

below sidewalk grade) on the north side of Lot 38 and across Lot 42 utilizing a core drill and stainless-steel hand auger. The location of each of the soil borings is shown on Figure 5.

On March 3, 2022, an additional three soil borings (SB3, SB4, and SB7) were installed to a depth of approximately 15 ft below sidewalk grade within the rear of Lots 34 and 38 (behind the cellar). Soil borings SB3, SB4, and SB7 were installed using a portable direct-push Geoprobe™ Model 420M equipped with 5-ft long macro-core and disposable acetate liners.

The location of the nine soil borings were chosen to gain representative soil quality information for the site. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a PID and visually inspected for evidence of contamination. No PID values above background concentrations were recorded. For the four soil borings performed within the building's cellars (SB5, SB6, SB8, and SB9), soil samples were retained for laboratory analysis from the intervals 0 to 2 ft below cellar grade (representing approximately 9 to 11 ft below sidewalk grade), and the interval 2 to 4 ft below cellar grade (representing approximately 11 to 13 ft below sidewalk grade). For the five soil borings performed across the slab-on-grade portion of the buildings, soil samples were retained for laboratory analysis from the intervals 0 to 2 ft below sidewalk grade, and 11 to 13 ft below sidewalk grade.

Soil boring details are provided in Table 1. Boring logs were prepared by a Qualified Environmental Professional and are attached in Appendix B.

Groundwater Monitoring Well Construction

One temporary 1-inch diameter PVC monitoring well was installed on the site at the approximate location shown on Figure 5. The monitoring well was constructed with 10 ft of 0.010 slotted screen set to intersect the water table. The well was installed to 46.1 ft below grade and the water table was encountered at 39.4 ft below grade. Due to the current use as a department store, access to the interior of the building areas with a Geoprobe powerful enough to install monitoring wells to 45 ft below grade was not possible. Monitoring well information is provided in Table 1.

Soil Vapor Probe Installation

The three sub-slab soil gas implants and the five soil vapor implants were installed on February 24, 2022, and March 3, 2022. The five soil vapor implants were installed using Geoprobe™ equipment and consisted of Geoprobe™ Model 213859, which are constructed of a 6-inch length of double woven stainless-steel wire. The soil vapor implants were installed to a depth of approximately 11 ft below grade. Each implant was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the implant to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface.

The three sub-slab soil gas implants were installed with hand equipment by drilling a ½ inch hole through the concrete slab with a handheld drill and inserting ¼ inch polyethylene tubing to no more than 2 inches below the base of the slab. The tubing was then sealed at the surface with hydrate granular bentonite.

Survey

Soil borings, monitoring wells and soil vapor sampling locations were measured to the nearest 0.10 ft with respect to two or more permanent site features. Monitoring well depth to water data is provided in the attached Table 1.

Water Level Measurement

An approximate groundwater level measurement was collected from the one monitoring well using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. Groundwater was measured at approximately 39.4 feet below grade at the Site. No free product was observed within the monitoring well.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation targeted Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. Media including soil and soil vapor were sampled and evaluated in the

RIR. Discrete (grab) samples were used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment and selection of a final remedy.

Soil Sampling

A total of 18 soil samples and one duplicate soil sample was collected for chemical analysis during the February-March 2022 RI conducted by BEC. Data on soil sample collection for chemical analyses, including dates of collection, analytical results, and sample depths, is reported in Tables 2-6. Figure 5 shows the location of samples collected during this RI. Soil exceedances are shown on the attached Figures 6. Laboratories and analytical methods for soil samples collected during the RI are shown below.

The 19 soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals. Sample analysis for 1,4-dioxane by EPA Method 8270D (SIM) was performed by Phoenix on sample SB2(11-13). Sample analysis for PFAs by EPA method 537 was performed by York Analytical Laboratories, Inc. on SB2(11-13). Soil borings were performed using a 1.5-inch diameter, 5-ft long core sampler with disposable acetate liners and the dual-tube method to preserve sample integrity. Therefore, no decontamination between samples was needed. Sampling for PFAS was performed in accordance with NYSDEC *Sampling, Analysis, and Assessment of Per- And Polyfluoroalkyl Substances (PFAS)*, (January 2020).

Groundwater Sampling

Groundwater sampling was performed on March 4, 2022. A groundwater sample was collected from the temporary monitoring well (MW1) installed on the site for chemical analysis. The groundwater sample was collected from the monitoring well utilizing a peristaltic pump and dedicated pump tubing. The monitoring well was developed by purging at least three well volumes prior to sampling. Sampling for PFAS was performed in accordance with NYSDEC *Sampling, Analysis, and Assessment of Per- And Polyfluoroalkyl Substances (PFAS)*, (January 2020). The groundwater sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix. The groundwater sample and duplicate were submitted for laboratory analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, total TAL metals and dissolved TAL metals. In addition, one groundwater sample was submitted to York Analytical Laboratories, Inc. for laboratory analysis of PFAS using USEPA Method 537. Data on groundwater sample collection for chemical analyses, including dates of collection, analytical results and sample depths, is reported in Tables 7 through 12. Figure 5 shows the location of groundwater monitoring well. Groundwater exceedances are shown on the attached Figure 7. Groundwater purge logs are included in Appendix D.

Soil Vapor Sampling

Five soil vapor probes and three sub-slab soil gas implants were installed and five soil vapor samples (SV1 – SV5) and three sub-slab soil gas samples (SS2 – SS4) were collected for chemical analysis during the February-March 2022 RI by BEC. The five soil vapor sampling locations and the three sub-slab soil gas sampling locations are shown on Figure 5. Soil vapor sample analytical data is reported in Table 13, and the soil vapor sampling logs are included in Appendix C. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

The three sub-slab soil gas implants and the five soil vapor implants were installed on February 24, 2022 and March 3, 2022. The five soil vapor implants were installed using Geoprobe™ equipment and consisted of Geoprobe™ Model 213859, which are constructed of a 6-inch length of double woven stainless-steel wire. The soil vapor implants were installed to a depth of

approximately 11 ft below grade. Each implant was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the implant to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface. The three sub-slab soil gas implants were installed with hand equipment by drilling a ½ inch hole through the concrete slab with a handheld drill and inserting ¼ inch polyethylene tubing to no more than 2 inches below the base of the slab. The tubing was then sealed at the surface with hydrate granular bentonite.

Sampling of the three sub-slab soil gas implants and the five soil vapor implants was conducted on March 4, 2022. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the soil vapor probe was sealed using a 1 ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the five soil vapor probes and three sub-slab implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field notebook. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow

control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between -1 and -9 inches of mercury (approximately 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (Attachment D). Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phyllis Shiller at Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • 1,4-dioxane by EPA Method 8270D (SIM) SB2(11-13') only • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil Vapor analytical methods: • VOCs by TO-15 parameters.

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Cassie L. Mosher at York Analytical Laboratories, Inc.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods SB2(11-13): • Per- and Polyfluoroalkyl Substances (PFAS) compounds by EPA Method 537 Modified – Full PFAS Target Analyte List (21 compounds) Groundwater analytical methods –MW1: • Per- and Polyfluoroalkyl Substances (PFAS) compounds by EPA Method 537 Modified – Full PFAS Target Analyte List (21 compounds)

Results of Chemical Analyses

Laboratory data for soil, groundwater, and soil vapor are summarized in Tables 2 through 13. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E and Appendix F.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the site, from the surface down, consists of historic fill (brown, dark brown, black and gray silt/sand mixtures with gravel, brick, ash, and concrete) to depths as great as 5 to 10 ft below the slab-on-grade foundation underlain by brown, light brown, and gray sand and silty sand with gravel to depths as great as 15 ft below the slab-on-grade foundation. The stratigraphy of the site below the cellar slab consists of brown sand and silty sand with gravel to depths as great as 4 ft below cellar slab / 13 ft below surface grade. Boring logs are provided in Appendix B.

Hydrogeology

Water level data for is provided in Table 1. Depth to groundwater was measured at 39.4 ft below grade. Regional groundwater flow is expected to be towards the west-northwest.

5.2 Soil Chemistry

Data collected during this Remedial Investigation is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the site. Summary tables of data for chemical analyses performed on soil samples collected during this investigation is included as Tables 2 through 6. Figures 6 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted Use (UUSCOs) and Restricted Residential Use Soil Cleanup Objectives (RRSCO).

Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8. Soil/fill samples showed the following:

- No PCBs were detected within any of the soil samples;
- One VOC, acetone (max. of 930 µg/kg) was detected within one of the soil samples above UUSCOs. Several VOCs were detected at trace concentrations below UUSCOs including 2-hexanone (8.1 µg/kg), 4-methyl-2-pentanone (9.1 µg/kg), ethylbenzene (max.

of 1.1 µg/kg), hexachlorobutadiene (1.5 µg/kg), m&p-xylene (max. of 2.2 µg/kg), methyl ethyl ketone (65 µg/kg), methyl t-butyl ether (m 4 µg/kg), tetrachloroethene (2 µg/kg), and trichloroethene (max. of 1.6 µg/kg);

- Seven SVOCs including benz(a)anthracene (max. of 5,600 µg/Kg), benzo(a)pyrene (max. of 4,600 µg/Kg), benzo(b)fluoranthene (max. of 4,500 µg/Kg), benzo(k)fluoranthene (max. of 3,800 µg/Kg), chrysene (max. of 5,900 µg/Kg), dibenz(a,h)anthracene (max. of 1,300 µg/Kg), and indeno(1,2,3-cd)pyrene (max. of 4,000 µg/Kg) were detected above UUSCOs and RRSCOs within four of the shallow soil samples;
- Two pesticides including 4,4'-DDE (3.5 µg/kg), and 4,4'-DDT (37 µg/kg) were detected above UUSCOs within the shallow interval (0-2') soil sample from SB2. No pesticides were detected above RRSCOs;
- Five metals including cadmium (max. of 3.34 mg/kg), copper (max. of 127 mg/kg), lead (max. of 251 mg/kg), mercury (max. of 0.53 mg/kg), and zinc (max. of 1,140 mg/kg) were detected above UUSCOs within soil samples collected across the Site. One metal, cadmium, was detected at a concentration exceeding its RRSCOs; and
- No PFAS compounds were detected.

Overall, the soil results were consistent with data identified at sites with historic fill material and native soil in NYC.

5.3 Groundwater Chemistry

A summary table of data for chemical analyses performed on groundwater samples is included in Tables 7 through 12. Figure 7 shows the location and posts the values for groundwater that exceed the 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS).

Groundwater sample results collected during the RI were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples showed the following:

- No SVOCs or PCBs were detected at any measurable concentrations within the groundwater samples;

- No VOCs were detected at concentrations above GQS. Trace concentrations of the VOCs chloroform (3.3 µg/L), tetrachloroethene (0.46 µg/L), toluene (3.4 µg/L), and trichloroethane (0.86 µg/L) were present at concentrations below GQS;
- The pesticide dieldrin (0.011 µg/L) was detected above GQS within the groundwater sample. Trace concentrations of 4,4-DDT (max. 0.039 mg/L) and aldrin (max. of 0.006 mg/L) were detected at concentrations below GQS;
- The dissolved metal, sodium (352 mg/L) was detected above GQS within the groundwater sample;
- Perfluorooctanoic Acid (PFOA) (max. of 44.6 ng/L) and Perfluorooctanesulfonic Acid (PFOS) (max. of 22.4 ng/L) were detected above the 10 ng/L screening level for PFOA/PFOS as defined in NYSDECs *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated January 2021, within MW1;
- No PFAS compounds were detected above the 100 ng/L screening level;
- The MW1 groundwater sample had a total PFAS (including PFOA and PFOS) concentration below the 500 ng/L screening level (116.53 ng/L).

5.4 Soil Vapor Chemistry

Data collected during this Remedial Investigation is sufficient to delineate the distribution of contaminants in soil vapor at the site. A summary table of data for chemical analyses performed on all the soil vapor and sub-slab soil gas samples collected at the site is included in Tables 13. Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

Soil vapor and sub-slab soil gas samples collected during the February-March 2022 RI were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006 and the revised NYSDOH Decision Matrices dated May 2017.

- The soil vapor results indicated low to moderate levels of petroleum-related VOCs (PVOCs) and chlorinated VOCs (CVOCs);

- Total concentrations of petroleum-related VOCs (BTEX compounds) within the soil vapor samples ranged from 11.55 $\mu\text{g}/\text{m}^3$ to 172.49 $\mu\text{g}/\text{m}^3$;
- The chlorinated solvent detections included: trichloroethene (TCE) (max. of 183 $\mu\text{g}/\text{m}^3$), tetrachloroethene (PCE) (max. of 36.3 $\mu\text{g}/\text{m}^3$), methylene chloride (max. of 4.41 $\mu\text{g}/\text{m}^3$), chloroform (max. of 9.37 $\mu\text{g}/\text{m}^3$), and carbon tetrachloride (max. of 1.77 $\mu\text{g}/\text{m}^3$);
- The chlorinated VOCs 1,1-dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane (TCA), and vinyl chloride were not detected within any of the soil vapor samples; and,
- The CVOCs tetrachloroethene (PCE), and trichloroethene (TCE) were detected within the monitoring level range established within the NYSDOH soil vapor guidance matrix.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected for the Site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

TABLES

Table 1
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Boring / Well Information

Sample ID	Installation Date	Total Depth (ft.)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft bgs)	Survey Reading	Casing Elevation	GW ELV
SB1	2/24/2022	15 bsg	2	Geoprobe	-	-	-	-	-
SB2	2/24/2022	15 bsg	2	Geoprobe	-	-	-	-	-
SB3	3/3/2022	15 bsg	2	Geoprobe	-	-	-	-	-
SB4	3/3/2022	15 bsg	2	Geoprobe	-	-	-	-	-
SB5	2/24/2022	4 bcg (13 bsg)	2	Core Drill/Hand Auger	-	-	-	-	-
SB6	2/24/2022	4 bcg (13 bsg)	2	Core Drill/Hand Auger	-	-	-	-	-
SB7	3/3/2022	15 bsg	2	Geoprobe	-	-	-	-	-
SB8	2/24/2022	4 bcg (13 bsg)	2	Core Drill/Hand Auger	-	-	-	-	-
SB9	2/24/2022	4 bcg (13 bsg)	2	Core Drill/Hand Auger	-	-	-	-	-
MW1	2/24/2022	46.1	1	PVC	10	39.4	-	-	-

Notes:

bsg = below surface grade. RI borings, SB1-SB4 & SB7 were installed below the slab-on-grade foundation.

bcg = below cellar grade. SB5-SB6 & SB8-SB9 were collected below the cellar slab.

Table 2
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.5 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6		SB7		SB8		SB9		SOIL DUPLICATE		TRIP BLANK	TRIP BLANK																								
				(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)				(0-2' bsg)																							
				2/24/2022	2/24/2022	2/24/2022	2/24/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022			3/3/2022	3/3/2022																						
				µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg				µg/Kg		µg/Kg		µg/Kg																			
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL			Result	RL	Result	RL	Result	RL																		
1,1,1,2-Tetrachloroethane	680	100,000	100,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 22	< 22	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 20	20	< 5.2	5.2	< 23	23	< 2.7	2.7	< 23	23	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0		
1,1,1-Trichloroethane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2-Trichloroethane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethane	370	19,000	26,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethane	230	100,000	100,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichloropropane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,3-Trichlorobenzene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,4-Trichlorobenzene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,4-Trichlorobenzene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2,4-Trimethylbenzene	3,600	47,000	52,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dibromo-3-chloropropane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dibromooethane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichlorobenzene	1,100	100,000	100,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichloroethane	20	2,300	3,100	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichloropropane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3,5-Trimethylbenzene	8,400	47,000	52,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	2,400	17,000	49,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3-Dichloropropane				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichloropropane	1,800	9,800	13,000	< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chlorotoluene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 22	22	< 26	26	< 33	33	< 27	27	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 25	25	< 5.0	5.0
2-Hexanone				8.1	26	< 26	26	< 26	26	< 27	27	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 25	25	< 27	27	< 30	30	< 25	25	< 5.2	5.2	< 5.2	5.2	< 29	29	< 29	29	< 29	29	< 33	33	< 28	28	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Isopropyltoluene				< 5.3	5.3	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 4.3	4.3	< 5.2	5.2	< 6.6	6.6	< 5.5	5.5	< 5.1	5.1	< 5.5	5.5	< 5.9	5.9	< 4.9	4.9	< 5.2	5.2	< 5.2	5.2	< 5.8	5.8	< 5.8	5.8	< 5.6	5.6	< 6.7	6.7	< 5.6	5.6	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Chlorotoluene				<																																													

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC BBSCQ Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC BSCQ Guidance Value

bsg = below surface grade

bsg = below cellar grade

bcg = below cellar grade

Table 3
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1			SB2			SB3			SB4			SB5			SB6			SB7			SB8			SB9			SOIL DUPLICATE				
				(0-2' bsg)		(11-13' bsg)	(0-2' bsg)		(11-13' bsg)	(0-2' bsg)		(11-13' bsg)	(0-2' bsg)		(11-13' bsg)	(0-2' bsg)		(2-4' bsg)	(0-2' bsg)		(2-4' bsg)	(0-2' bsg)		(11-13' bsg)	(0-2' bsg)		(2-4' bsg)	(0-2' bsg)		(2-4' bsg)	(0-2' bsg)				
				2/24/2022	2/24/2022	2/24/2022	2/24/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022	3/3/2022				
				µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg			
				Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
1,2,4,5-Tetrachlorobenzene				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
1,2,4-Trichlorobenzene				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
1,2-Dichlorobenzene	1,100	100,000	100,000	< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
1,2-Diphenylhydrazine				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
1,3-Dichlorobenzene	2,400	17,000	49,000	< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
1,4-Dichlorobenzene	1,800	9,800	13,000	< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2,2'-Oxybis(1-Chloropropane)				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2,4,5-Trichlorophenol				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170
2,4,6-Trichlorophenol				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170
2,4-Dichlorophenol				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170
2,4-Dimethylphenol				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2,4-Dinitrophenol				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2,4-Dinitrotoluene				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170
2,6-Dinitrotoluene				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170
2-Chloronaphthalene				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2-Chlorophenol				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2-Methylnaphthalene				< 250	250	< 250	250	140	260	< 250	250	< 250	250	< 250	250	240	250	< 250	250	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2-Methylphenol (o-cresol)	330	100,000	100,000	< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2-Nitroaniline				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
2-Nitrophenol				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
3,4-Methylphenol (m,p-cresol)				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
3,3'-Dichlorobenzidine				< 180	180	< 180	180	< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170	< 170	170	< 170	170	< 180	180	< 180	180	< 180	180	< 170	170	< 170	170
3-Nitroaniline				< 350	350	< 360	360	< 370	370	< 350	350	< 350	350	< 360	360	< 350	350	< 380	360	< 340	340	< 340	340	< 350	350	< 370	370	< 350	350	< 350	350	< 350	350	< 350	350
4,6-Dinitro-2-methylphenol				< 210	210	< 220	220	< 220	220	< 210	210	< 220	220	< 210	210	< 220	220	< 210	210	< 210	210	< 210	210	< 210	210	< 220	220	< 210	210	< 210	210	< 210	210	< 210	210
4-Bromophenyl phenyl ether				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
4-Chloro-3-methylphenol				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
4-Chloroaniline				< 280	280	< 290	290	< 300	300	< 280	280	< 280	280	< 290	290	< 280	280	< 280	280	< 270	270	< 280	280	< 280	280	< 290	290	< 280	280	< 280	280	< 280	280	< 280	280
4-Chlorophenyl phenyl ether				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
4-Nitroaniline				< 350	350	< 360	360	< 370	370	< 350	350	< 360	360	< 360	360	< 350	350	< 360	360	< 340	340	< 340	340	< 350	350	< 370	370	< 350	350	< 350	350	< 350	350	< 350	350
4-Nitrophenol				< 350	350	< 360	360	< 370	370	< 350	350	< 360	360	< 360	360	< 350	350	< 360	360	< 340	340	< 340	340	< 350	350	< 370	370	< 350	350	< 350	350	< 350	350	< 350	350
Acenaphthene	20,000	100,000	100,000	< 250	250	120	250	390	260	< 250	250	< 250	250	< 250	250	1,200	250	< 250	250	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
Acenaphthylene	100,000	100,000	100,000	< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	120	250	< 250	250	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240
Acetophenone				< 250	250	< 250	250	< 260	260	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 240	240	< 240	240	< 250	250	< 250	250	< 250	250	< 240	240		

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RSCG Guidance Value

bsg = below surface grade.

Table 4
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3				SB4				SB5				SB6				SB7				SB8				SB9				SOIL DUPLICATE	
				(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)		(11-13' bsg)		(0-2' bsg)					
				2/24/2022		2/24/2022		2/24/2022		2/24/2022		3/3/2022		3/3/3022		3/3/2022		3/3/3022		2/24/2022		2/24/2022		2/24/2022		2/24/2022		3/3/2022		3/3/3022		2/24/2022		2/24/2022		2/24/2022		2/24/2022			
				µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg			
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL		
4,4'-DDD	3.3																																								
4,4'-DDE	3.3																																								
4,4'-DDT	3.3																																								
a-BHC	20																																								
a-Chlordane	94																																								
Alachlor																																									
Aldrin	5																																								
b-BHC	36																																								
Chlordane	40																																								
d-BHC	36																																								
Dieldrin	5																																								
Endosulfan I	2,400																																								
Endosulfan II	2,400																																								
Endosulfan sulfate	2,400																																								
Endrin	14																																								
Endrin aldehyde																																									
Endrin ketone																																									
g-BHC	100																																								
g-Chlordane																																									
Heptachlor	42																																								
Heptachlor epoxide																																									
Methoxychlor																																									
Toxaphene																																									
PCB-1016	100																																								
PCB-1221	100																																								
PCB-1232	100																																								
PCB-1242	100																																								
PCB-1248	100																																								
PCB-1254	100																																								
PCB-1260	100																																								
PCB-1262	100																																								
PCB-1268	100																																								

Notes:
 * - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
 RL - Reporting Limit
 Boldhighlighted-Indicated exceedance of the NYSDEC UUSCO Guidance Value
 Boldhighlighted-Indicated exceedance of the NYSDEC RRSO Guidance Value
 Boldhighlighted-Indicated exceedance of the NYSDEC RSCO Guidance Value
 bsg = below surface grade.
 bcg = below cellar grade

Table 5
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1						SB2						SB3						SB4						SB5						SB6						SB7						SB8						SB9						SOIL DUPLICATE	
				(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)			(11-13' bsg)			(0-2' bsg)													
				2/24/2022			2/24/2022			2/24/2022			2/24/2022			3/3/2022			3/3/2022			3/3/2022			3/3/2022			2/24/2022			2/24/2022			2/24/2022			2/24/2022			3/3/2022			3/3/2022			2/24/2022			2/24/2022			2/24/2022			2/24/2022				
				mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg			mg/Kg							
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL										
Aluminum				8,670	35	11,600	37	8,770	34	5,340	34	9,740	35	7,850	35	8,550	34	12,100	34	6,000	35	6,840	35	7,380	35	6,280	35	5,720	35	8,410	34	9,800	35	9,110	37	7,730	35	7,910	34	10,300	35																		
Antimony				<3.9	3.9	<3.7	3.7	<3.4	3.4	<3.4	3.4	<3.5	3.5	<3.5	3.5	<3.4	3.4	<3.4	3.4	<3.5	3.5	<3.3	3.3	<3.5	3.5	<3.4	3.4	<3.3	3.3	<3.4	3.4	<3.9	3.9	<3.7	3.7	<3.5	3.5	<3.4	3.4	<3.5	3.5																		
Arsenic	13	16	16	5.51	0.75	1.55	0.73	3.85	0.69	1.37	0.67	3.42	0.76	4.58	0.71	2.92	0.68	2.23	0.65	1.77	0.71	1.15	0.66	1.58	0.71	1.76	0.68	1.63	0.66	1.37	0.67	1.41	0.77	1.63	0.74	1.88	0.76	2.93	0.69	1.99	0.77																		
Barium	350	350	400	177	0.8	34.2	0.7	80.1	0.7	19.7	0.7	57	0.8	96.7	0.7	49.8	0.7	90	0.7	22.4	0.7	26.5	0.7	40.4	0.7	28.5	0.7	39.2	0.7	29.3	0.7	54.3	0.8	54.3	0.7	44.2	0.8	43.2	0.7	52.7	0.8																		
Beryllium	7.2	14	72	4.27	0.31	0.4	0.26	0.47	0.27	0.37	0.27	0.46	0.31	0.39	0.23	0.44	0.27	0.62	0.27	0.4	0.28	0.36	0.26	0.41	0.28	0.44	0.27	0.39	0.28	0.36	0.27	0.53	0.31	0.43	0.30	0.57	0.35	0.68	0.28	0.6	0.31																		
Cadmium	2.5	2.5	4.3	1.14	0.59	0.84	0.37	1.22	0.34	0.85	0.34	1.01	0.39	0.72	0.32	3.34	0.34	0.86	0.34	1	0.35	0.85	0.33	0.94	0.36	1.13	0.34	1.01	0.33	0.65	0.34	1.08	0.39	1.11	0.37	1.02	0.38	1.52	0.34	1.21	0.38																		
Calcium				11,100	35	1,360	37	14,800	34	374	34	2,270	35	992	34	4,350	34	615	34	2,980	35	4,630	33	13,800	35	6,520	34	868	35	515	34	3,110	35	6,300	37	2,570	34	1,560	34	1,200	35																		
Chromium	30		180	22.2	0.35	20.9	0.37	25.4	0.34	13.5	0.34	17.3	0.39	13.1	0.35	23.1	0.34	16.2	0.34	17.4	0.35	14.9	0.33	17.5	0.35	19.3	0.35	12.7	0.33	11.3	0.34	19.4	0.35	18.9	0.37	20.9	0.38	28	0.34	24.4	0.38																		
Cobalt				11.2	0.39	7.98	0.37	6.58	0.34	5.94	0.34	10.8	0.39	2.77	0.35	6.58	0.34	4.21	0.34	7.34	0.35	6.96	0.33	7.62	0.36	8.22	0.34	5.64	0.33	3.63	0.34	8.8	0.39	7.43	0.37	8.18	0.38	12	0.34	9.59	0.38																		
Copper	50	270	270	127	0.8	10.5	0.7	27	0.7	11.8	0.7	23.3	0.8	43.2	0.7	20.5	0.7	17.5	0.7	17.2	0.7	18.3	0.7	23.6	0.7	19.1	0.7	12.3	0.7	4.5	0.7	19.7	0.8	23.3	0.7	17.4	0.8	20.4	0.7	20.7	0.8																		
Iron				20,000	35	14,100	37	17,900	34	19,700	34	19,000	35	10,900	35	21,900	34	12,300	34	22,400	35	16,700	35	19,400	35	25,300	34	21,000	35	10,300	34	17,200	35	15,700	37	22,100	35	34,500	34	25,100	35																		
Lead	63	400	400	251	0.8	8	0.7	96.8	0.7	4.1	0.7	75	0.8	218	0.7	71.5	0.7	67.8	0.7	8.5	0.7	9.7	0.7	17.5	0.7	10.9	0.7	16	0.7	5.7	0.7	16.4	0.8	37.5	0.7	8	0.8	13.5	0.7	6.8	0.8																		
Magnesium				2,840	3.5	2,190	3.7	4,070	3.4	1,420	3.4	2,090	3.5	1,200	3.6	2,950	3.4	1,410	3.4	1,550	3.5	2,040	3.3	2,200	3.6	1,820	3.4	1,340	3.3	1,230	3.4	2,910	3.8	2,590	3.7	2,630	3.8	2,310	3.4	2,700	3.8																		
Manganese	1,600		2,000	414	0.9	241	0.7	336	0.9	463	0.8	326	0.9	87.2	0.85	349	0.8	435	0.8	712	0.9	600	0.8	680	0.9	791	0.8	441	0.9	128	0.84	351	0.9	363	0.7	480	0.9	979	0.8	971	0.8																		
Mercury	0.18	0.81	0.81	0.32	0.03	<0.03	0.03	0.14	0.03	<0.03	0.03	0.53	0.03	0.48	0.03	0.43	0.03	0.26	0.03	0.07	0.03	0.06	0.03	0.08	0.03	0.06	0.03	0.09	0.03	<0.03	0.03	0.06	0.03	<0.03	0.03	<0.03	0.03	<0.03	0.03	<0.03	0.03																		
Nickel	30	140	310	26.2	0.39	12.6	0.37	12.7	0.34	10.9	0.34	13.7	0.39	7.78	0.35	12.2	0.34	10.1	0.34	11.2	0.35	12	0.33	12.8	0.36	12.6	0.34	10.2	0.33	7.6	0.34	15.8	0.39	14	0.37	16.2	0.38	15.8	0.34	16.3	0.38																		
Potassium				863	8	656	7	991	7	709	7	1,010	8	424	7	989	7	474	7	747	7	966	7	1,090	7	869	7	675	7	363	7	1,420	8	1,200	7	1,360	8	1,200	7	1,560	8																		
Selenium	3.9	36	180	<1.6	1.6	<1.5	1.5	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.3	1.3	<1.3	1.3	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.4	1.4	<1.5	1.5																		
Silver	2	36	180	<0.39	0.39	<0.37	0.37	<0.34	0.34	<0.34	0.34	<0.39	0.39	<0.36	0.36	<0.34	0.34	<0.34	0.34	<0.35	0.35	<0.33	0.33	<0.36	0.36	<0.34	0.34	<0.33	0.33	<0.34	0.34	<0.39	0.39	<0.37	0.37	<0.38	0.38	<0.34	0.34	<0.38	0.38																		
Sodium				489	8	68	7	321	7	57	7	204	8	94	7	211	7	89	7	94	7	131	7	224	7	150	7	95	7	96	7	181	8	204	7	96	8	91	7	106	8																		
Thallium				<1.6	1.6	<1.5	1.5	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.3	1.3	<1.3	1.3	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.4	1.4	<1.5	1.5																		
Vanadium				34.1	0.39	23.9	0.37	24.5	0.34	21	0.34	29.1	0.34	18.5	0.33	25.3	0.35	22.8	0.33	25	0.35	31.4	0.34	23	0.33	15.4	0.34	27.7	0.39	25.2	0.37	30.1	0.38	27.2	0.37	30.1	0.38	34.7	0.39																				
Zinc	109	2,200	10,000	1,140	7.8	32.4	0.7	122	0.7	24.6	0.7	51.1	0.8	34.2	0.7	609	6.8	52	0.7	29.5	0.7	30.9	0.7	35.2	0.7	32.4	0.7	35.9	0.7	19.2	0.7	175	0.8	292	0.7	39.1	0.8	47.4	0.7	41.8	0.8																		

Notes:
* - 6 NYCRR Part 375.6 Remedial Program Soil Cleanup Objectives
RL - Reporting Limit
Bold/highlighted: Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted: Indicated exceedance of the NYSDEC RRSC Guidance Value
Bold/highlighted: Indicated exceedance of the NYSDEC RSCO Guidance Value
bsg = below surface grade.
bg = below cellar grade

Table 6
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Analytical Results
Emerging Contaminants

Compound	SB2	
	(11-13') bsg	
	2/24/2022	
	ng/g	
	Result	DL
Perfluorobutanesulfonic Acid (PFBS)	ND	0.249
Perfluorohexanoic Acid (PFHxA)	ND	0.249
Perfluoroheptanoic Acid (PFHpA)	ND	0.249
Perfluorohexanesulfonic Acid (PFHxS)	ND	0.249
Perfluorooctanoic Acid (PFOA)	ND	0.249
Perfluorooctanesulfonic Acid (PFOS)	ND	0.249
Perfluorononanoic Acid (PFNA)	ND	0.249
Perfluorodecanoic Acid (PFDA)	ND	0.249
Perfluoroundecanoic Acid (PFUnA)	ND	0.249
Perfluorododecanoic Acid (PFDoA)	ND	0.249
Perfluorotridecanoic Acid (PFTTrDA)	ND	0.249
Perfluorotetradecanoic Acid (PFTA)	ND	0.249
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.249
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.249
Perfluoropentanoic Acid (PFPeA)	ND	0.249
Perfluorooctanesulfonamide (FOSA)	ND	0.249
Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.249
Perfluorodecanesulfonic Acid (PFDS)	ND	0.249
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.249
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.249
Perfluorobutanoic Acid (PFBA)	ND	0.249
Combined PFOA & PFOS	0.0	
Combined Total Detections	0.0	

Compound	SB2	
	(11-13') bsg	
	2/24/2022	
	ug/Kg	
	Result	RL
1,4-dioxane (8270D - SIM)	< 71	71

Notes:

DL- Detection Limit

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOS

bsg = below surface grade

Table 7
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Groundwater Analytical Results
VOCs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		DUP		Trip Blank	
		3/4/2022		3/4/2022		3/4/2022	
		µg/L		µg/L		µg/L	
		Result	RL	Result	RL	Result	RL
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	3.3	5.0	3.9	5.0	< 5.0	5.0
Chloromethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	0.46	1.0	0.4	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	3.4	1.0	3.3	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	0.86	1.0	0.78	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Acrolein	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Tert-butyl alcohol		< 50	50	< 50	50	< 50	50

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Bold Only - Indicates concentration above reporting limit but below the NYSDEC Groundwater Standard

Table 8
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Groundwater Analytical Results
SVOCs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		DUP	
		3/4/2022		3/4/2022	
		µg/L		µg/L	
		Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		< 3.5	3.5	< 3.5	3.5
1,2,4-Trichlorobenzene		< 5.0	5.0	< 5.0	5.0
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0
1,2-Diphenylhydrazine		< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0
2,2'-Oxybis(1-Chloropropane)	5	< 5.0	5.0	< 5.0	5.0
2,4,5-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0
2,4-Dichlorophenol	1	< 1.0	1.0	< 1.0	1.0
2,4-Dimethylphenol	1	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrophenol	1	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0
2,6-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 5.0	5.0	< 5.0	5.0
2-Chlorophenol	1	< 1.0	1.0	< 1.0	1.0
2-Methylnaphthalene		< 5.0	5.0	< 5.0	5.0
2-Methylphenol (o-cresol)	1	< 1.0	1.0	< 1.0	1.0
2-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 1.0	1.0	< 1.0	1.0
3,3'-Dichlorobenzidine	5	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 1.0	1.0	< 1.0	1.0
4-Bromophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0
4-Chloro-3-methylphenol	1	< 1.0	1.0	< 1.0	1.0
4-Chloroaniline	5	< 3.5	3.5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0
4-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0
Acenaphthene	20	< 5.0	5.0	< 5.0	5.0
Acetophenone		< 5.0	5.0	< 5.0	5.0
Aniline	5	< 3.5	3.5	< 3.5	3.5
Anthracene	50	< 5.0	5.0	< 5.0	5.0
Benzidine	5	< 4.5	4.5	< 4.5	4.5
Benzoic acid		< 25	25	< 25	25
Benzyl butyl phthalate	50	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethoxy)methane	5	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 1.0	1.0	< 1.0	1.0
Bis(2-ethylhexyl)phthalate	5	< 1.0	1.0	< 1.0	1.0
Carbazole		< 5.0	5.0	< 5.0	5.0
Dibenzofuran		< 5.0	5.0	< 5.0	5.0
Diethyl phthalate	50	< 5.0	5.0	< 5.0	5.0
Dimethylphthalate	50	< 5.0	5.0	< 5.0	5.0
Di-n-butylphthalate	50	< 5.0	5.0	< 5.0	5.0
Di-n-octylphthalate	50	< 5.0	5.0	< 5.0	5.0
Fluoranthene	50	< 5.0	5.0	< 5.0	5.0
Fluorene	50	< 5.0	5.0	< 5.0	5.0
Hexachloroethane	5	< 1.0	1.0	< 1.0	1.0
Isophorone	50	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	< 5.0	5.0	< 5.0	5.0
N-Nitrosodi-n-propylamine		< 5.0	5.0	< 5.0	5.0
N-Nitrosodiphenylamine	50	< 5.0	5.0	< 5.0	5.0
Pentachloronitrobenzene		< 2.5	2.5	< 2.5	2.5
Phenol	1	< 1.0	1.0	< 1.0	1.0
Pyrene	50	< 5.0	5.0	< 5.0	5.0
Pyridine	50	< 10	10	< 10	10
Acenaphthylene		< 0.53	0.53	< 0.54	0.54
Benz(a)anthracene	0.002	< 0.02	0.02	< 0.02	0.02
Benzo(a)pyrene		< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene		< 0.53	0.53	< 0.54	0.54
Benzo(k)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02
Chrysene	0.002	< 0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene		< 0.53	0.53	< 0.54	0.54
Hexachlorobenzene	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50
Hexachlorocyclopentadiene	5	< 0.53	0.53	< 0.54	0.54
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	< 0.02	0.02
Nitrobenzene	0.4	< 0.40	0.40	< 0.40	0.40
N-Nitrosodimethylamine		< 0.11	0.11	< 0.11	0.11
Pentachlorophenol	1	< 0.53	0.53	< 0.54	0.54
Phenanthrene	50	< 0.53	0.53	< 0.54	0.54

Notes:

RL - Reporting Limit

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Bold Only - Indicates concentration above reporting limit but below the NYSDEC Groundwater Standard

Table 9
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		DUP	
			3/4/2022		3/4/2022	
			µg/L		µg/L	
			Result	RL	Result	RL
Pesticides	4,4-DDD	0.3	< 0.005	0.005	< 0.005	0.005
	4,4-DDE	0.2	< 0.005	0.005	< 0.005	0.005
	4,4-DDT	0.2	0.039	0.005	< 0.005	0.005
	a-BHC	0.01	< 0.005	0.005	< 0.005	0.005
	a-chlordane		< 0.010	0.010	< 0.011	0.011
	Alachlor	0.5	< 0.077	0.077	< 0.080	0.080
	Aldrin		0.006	0.002	< 0.002	0.002
	b-BHC	0.04	< 0.005	0.005	< 0.005	0.005
	Chlordane	0.05	< 0.021	0.021	< 0.021	0.021
	d-BHC	0.04	< 0.005	0.005	< 0.005	0.005
	Dieldrin	0.004	0.011	0.002	< 0.002	0.002
	Endosulfan I		< 0.010	0.010	< 0.011	0.011
	Endosulfan II		< 0.010	0.010	< 0.011	0.011
	Endosulfan Sulfate		< 0.010	0.010	< 0.011	0.011
	Endrin		< 0.005	0.005	< 0.005	0.005
	Endrin aldehyde	5	< 0.010	0.010	< 0.011	0.011
	Endrin ketone	5	< 0.010	0.010	< 0.011	0.011
	gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005
	g-chlordane		< 0.010	0.010	< 0.011	0.011
	Heptachlor	0.04	< 0.005	0.005	< 0.005	0.005
	Heptachlor epoxide	0.03	< 0.005	0.005	< 0.005	0.005
	Methoxychlor	35	< 0.10	0.10	< 0.11	0.11
	Toxaphene	0.06	< 0.21	0.21	< 0.21	0.21
PCBs	PCB-1016	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1221	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1232	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1242	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1248	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1254	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1260	0.09	< 0.052	0.052	< 0.053	0.053
	PCB-1262		< 0.052	0.052	< 0.053	0.053
	PCB-1268		< 0.052	0.052	< 0.053	0.053

Notes:

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Bold Only - Indicates concentration above reporting limit but below the NYSDEC Groundwater Standard

Table 10
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Groundwater Analytical Results
Target Analyte Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		DUP	
		3/4/2022		3/4/2022	
		mg/L		mg/L	
		Result	RL	Result	RL
Aluminum	0.1	137	0.20	110	0.20
Arsenic - LDL	0.025	0.034	0.004	0.027	0.004
Barium	1	1.57	0.010	1.24	0.010
Beryllium	0.003	0.008	0.001	0.006	0.001
Cadmium	0.005	0.016	0.004	0.011	0.004
Calcium		93.9	0.010	84.5	0.010
Chromium	0.05	0.295	0.001	0.231	0.001
Cobalt		0.311	0.005	0.246	0.005
Copper	0.2	0.568	0.005	0.438	0.005
Iron	0.3	356	0.10	275	0.10
Lead	0.025	0.188	0.002	0.146	0.002
Magnesium	35	82.6	0.10	66.1	0.010
Manganese	0.3	30.5	0.50	24.7	0.50
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.389	0.004	0.309	0.004
Potassium		27.3	1.0	23.1	1.0
Antimony	0.003	< 0.0030	0.0030	< 0.0030	0.0030
Selenium	0.01	< 0.01	0.01	< 0.01	0.01
Silver	0.05	< 0.005	0.005	< 0.005	0.005
Sodium	20	226	1.0	222	1.0
Thallium	0.0005	0.0022	0.0005	0.0018	0.0005
Vanadium		0.332	0.010	0.256	0.010
Zinc	5	0.572	0.010	0.448	0.010

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Bold Only - Indicates concentration above reporting limit but below the NYSDEC Groundwater Standard

Table 11
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Groundwater Analytical Results
Dissolved Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		DUP	
		3/4/2022		3/4/2022	
		mg/L		mg/L	
		Result	RL	Result	RL
Aluminum (Dissolved)	0.1	0.036	0.011	0.024	0.011
Arsenic, (Dissolved)	0.025	< 0.003	0.003	< 0.003	0.003
Barium (Dissolved)	1	0.104	0.011	0.102	0.011
Beryllium (Dissolved)	0.003	< 0.001	0.001	< 0.001	0.001
Cadmium (Dissolved)	0.005	< 0.004	0.004	< 0.004	0.004
Calcium (Dissolved)		64.3	0.01	64.4	0.01
Chromium (Dissolved)	0.05	< 0.001	0.001	< 0.001	0.001
Cobalt, (Dissolved)		< 0.005	0.005	< 0.005	0.005
Copper, (Dissolved)	0.2	0.004	0.005	0.002	0.005
Antimony (Dissolved)-LDL	0.003	< 0.0006	0.0006	< 0.0006	0.0006
Selenium (Dissolved)-LDL	0.01	< 0.004	0.004	< 0.004	0.004
Thallium (Dissolved)	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Iron, (Dissolved)	0.3	< 0.01	0.01	< 0.01	0.01
Lead (Dissolved)	0.025	< 0.002	0.002	< 0.002	0.002
Magnesium (Dissolved)	35	23.6	0.01	23.3	0.01
Manganese, (Dissolved)	0.3	< 0.005	0.005	< 0.005	0.005
Mercury (Dissolved)	0.0007	< 0.0002	0.0002	< 0.0002	0.0002
Nickel, (Dissolved)	0.1	0.002	0.004	0.002	0.004
Potassium (Dissolved)		2.9	0.1	2.9	0.1
Silver (Dissolved)	0.05	< 0.005	0.005	< 0.005	0.005
Sodium (Dissolved)	20	352	11	261	11
Vanadium, (Dissolved)		< 0.011	0.011	< 0.011	0.011
Zinc, (Dissolved)	5	< 0.011	0.011	0.002	0.011

Notes:

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Table 12
842-850 Lexington Ave 4 Ralph Ave, Brooklyn
Groundwater Analytical Results
Emerging Contaminants

Compound	MW1	
	3/4/2022	
	ng/L	
	Result	DL
Perfluorobutanesulfonic Acid (PFBS)	4.64	1.92
Perfluorohexanoic Acid (PFHxA)	10.9	1.92
Perfluoroheptanoic Acid (PFHpA)	12.9	1.92
Perfluorohexanesulfonic Acid (PFHxS)	4.39	1.92
Perfluorooctanoic Acid (PFOA)	44.6	1.92
Perfluorooctanesulfonic Acid (PFOS)	22.4	1.92
Perfluorononanoic Acid (PFNA)	ND	1.92
Perfluorodecanoic Acid (PFDA)	ND	1.92
Perfluoroundecanoic Acid (PFUnA)	ND	1.92
Perfluorododecanoic Acid (PFDoA)	ND	1.92
Perfluorotridecanoic Acid (PFTTrDA)	ND	1.92
Perfluorotetradecanoic Acid (PFTA)	ND	1.92
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.92
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.92
Perfluoropentanoic Acid (PFPeA)	16.7	1.92
Perfluorooctanesulfonamide (FOSA)	ND	1.92
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.92
Perfluorodecanesulfonic Acid (PFDS)	ND	1.92
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.81
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92
Perfluorobutanoic Acid (PFBA)	ND	1.92
Combined PFOA and PFOS	67	
Combined Total Detections	116.53	

Compound	MW1	
	3/4/2022	
	ug/L	
	Result	DL
1,4-Dioxane	< 0.20	0.20

Notes:

DL- Detection Limit

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

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOS

Table 13
842-850 Lexington Ave 4 Ralph Ave, Brooklyn, NY
Soil Vapor Analytical Results
Volatile Organic Compounds - VOCs

[illegible]

Notes:

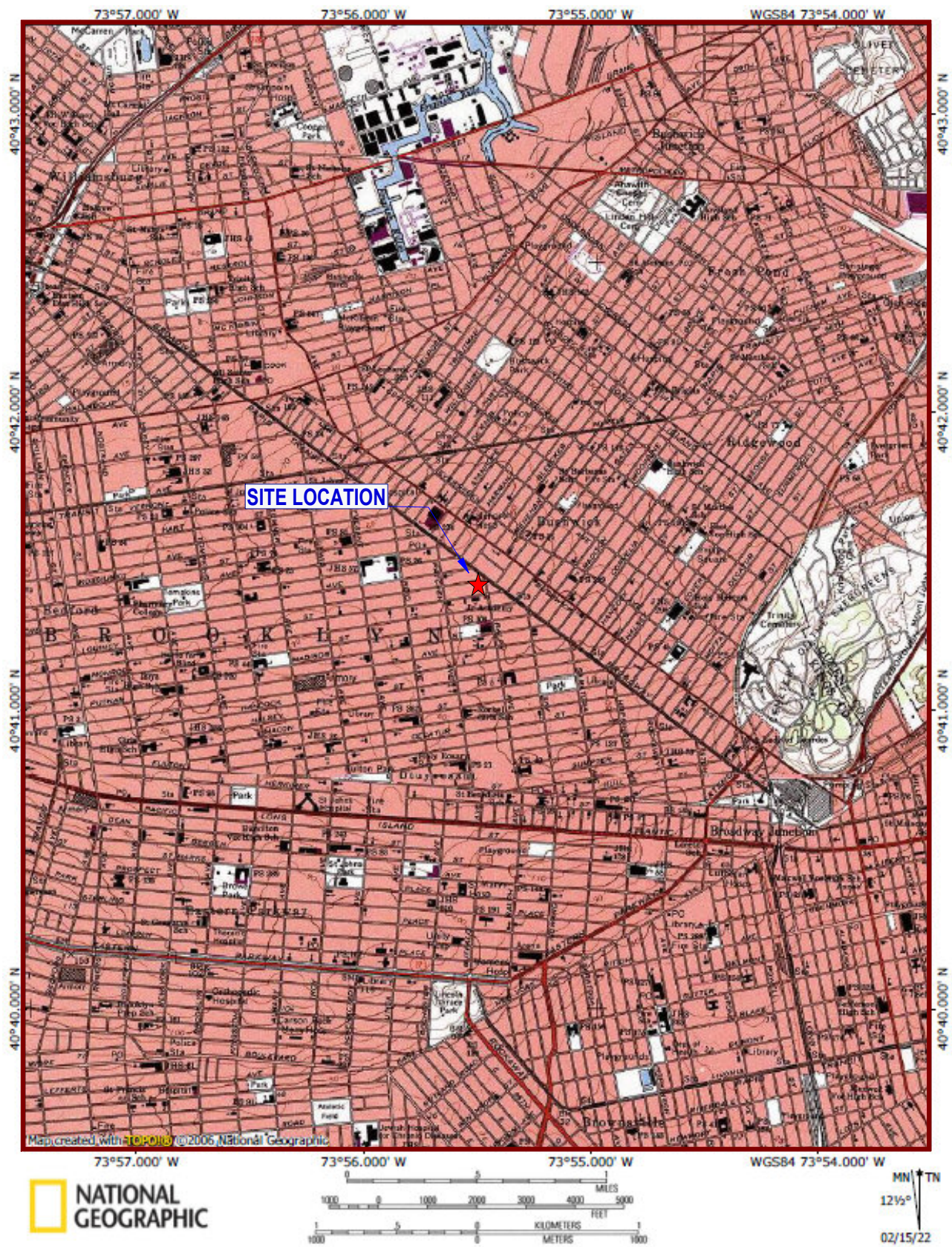
NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.

(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

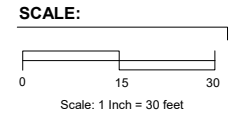
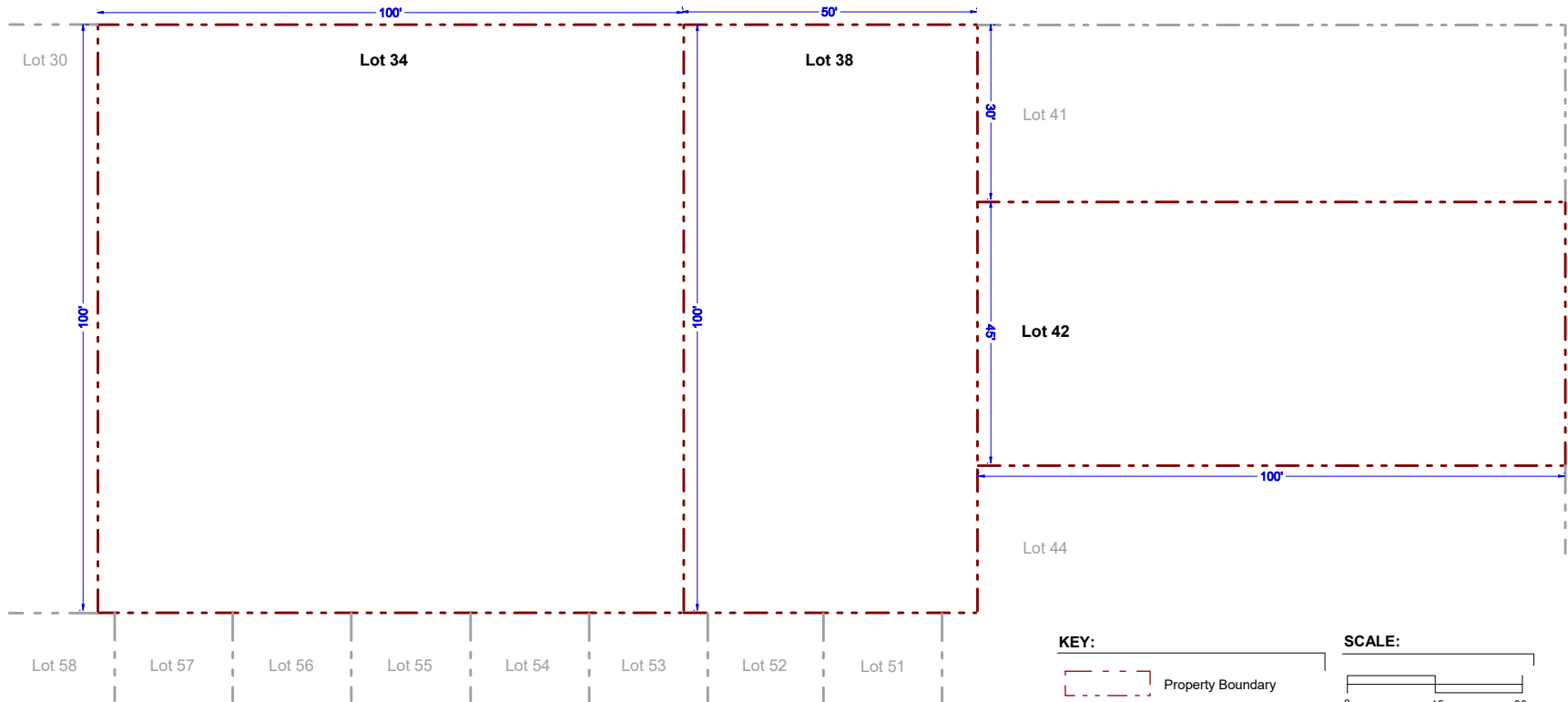
All soil vapor point implants installed to 14-feet below surface grade, including those installed in the cellar level.

FIGURES



LEXINGTON AVENUE
SIDEWALK

RALPH AVENUE
SIDEWALK



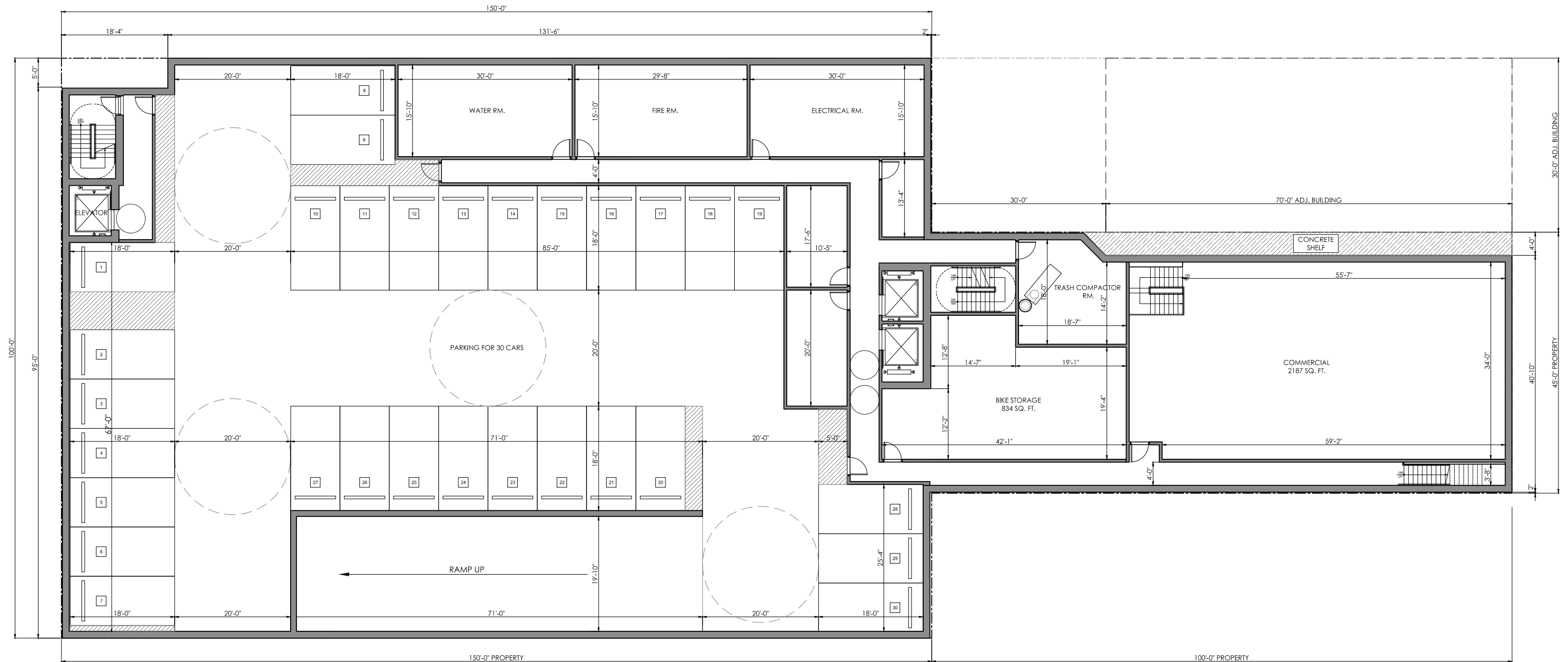
BRUSSEE
Environmental Corp.
PHONE: 631.338.1749

Figure No.
2

Site Name:	REDEVELOPMENT PROJECT
Site Address:	842 & 850 LEXINGTON AVENUE, BROOKLYN, NY 11221 4 RALPH AVENUE, BROOKLYN, NY 11221
Drawing Title:	SITE BOUNDARY MAP



LEXINGTON AVE.
(70' - NARROW ST.)

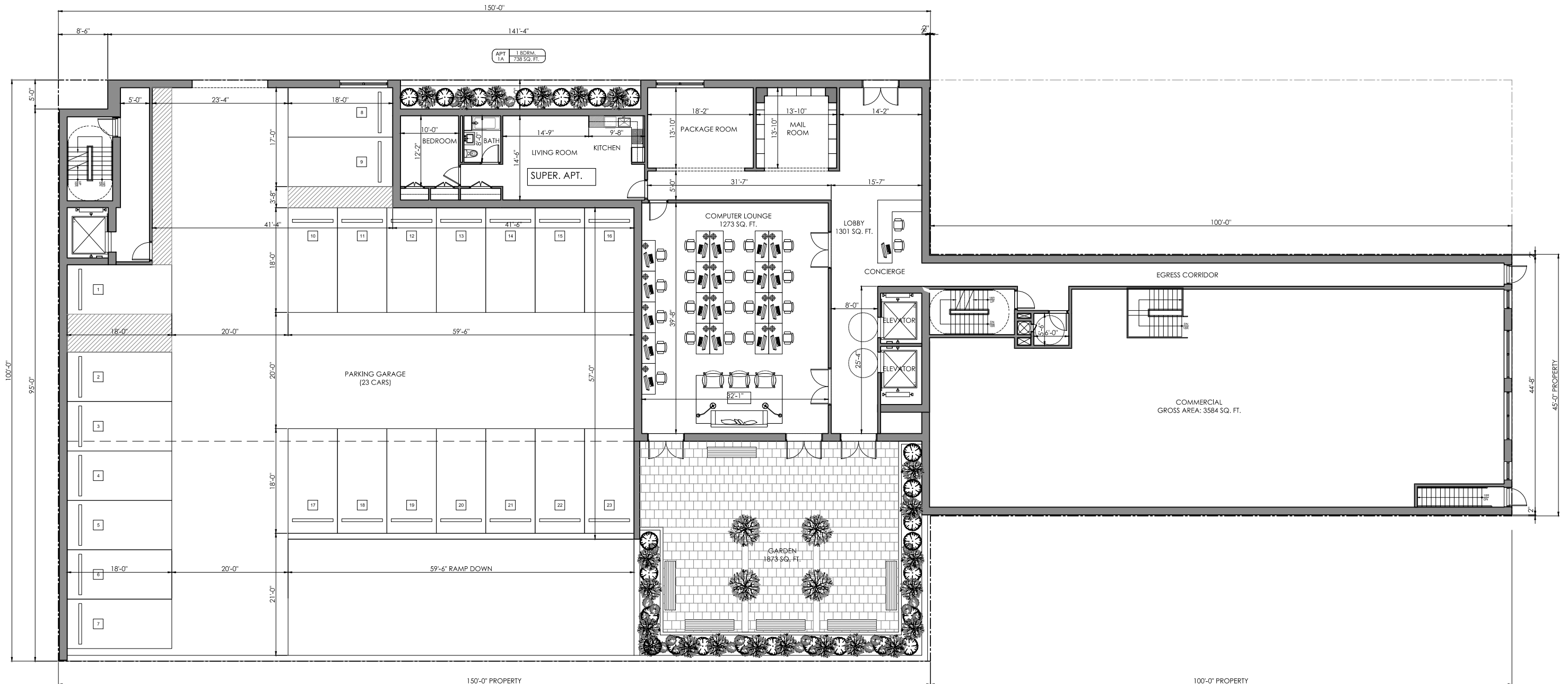


CELLAR GROSS AREA = 19067 SQ. FT.

RALPH AVE.
(70' - NARROW ST.)



LEXINGTON AVE.
(70' - NARROW ST.)



1ST FLOOR
GROSS AREA = 8350 SQ. FT.
WALL LENGTH = 600'-0"

RALPH AVE.
(70' - NARROW ST.)

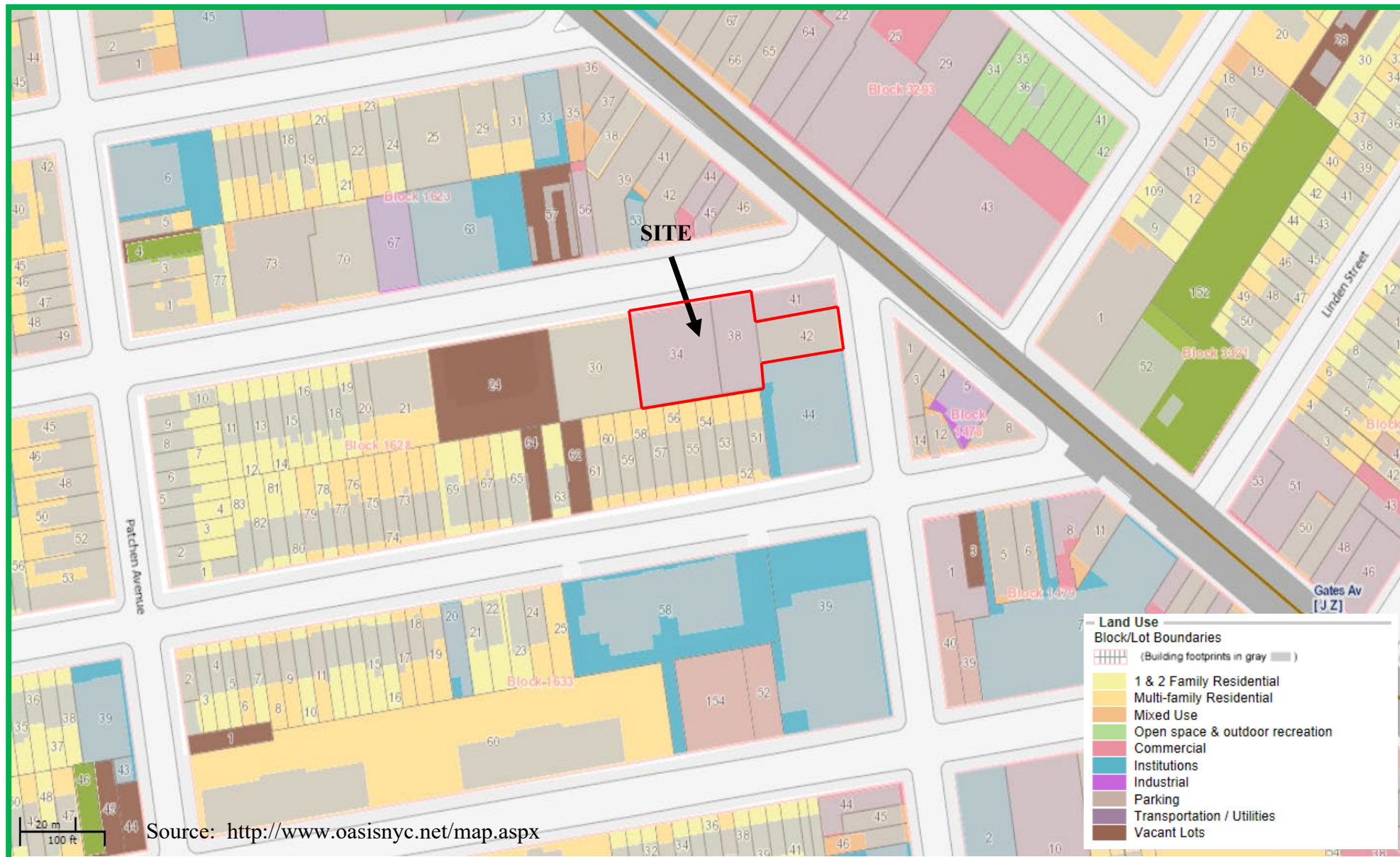


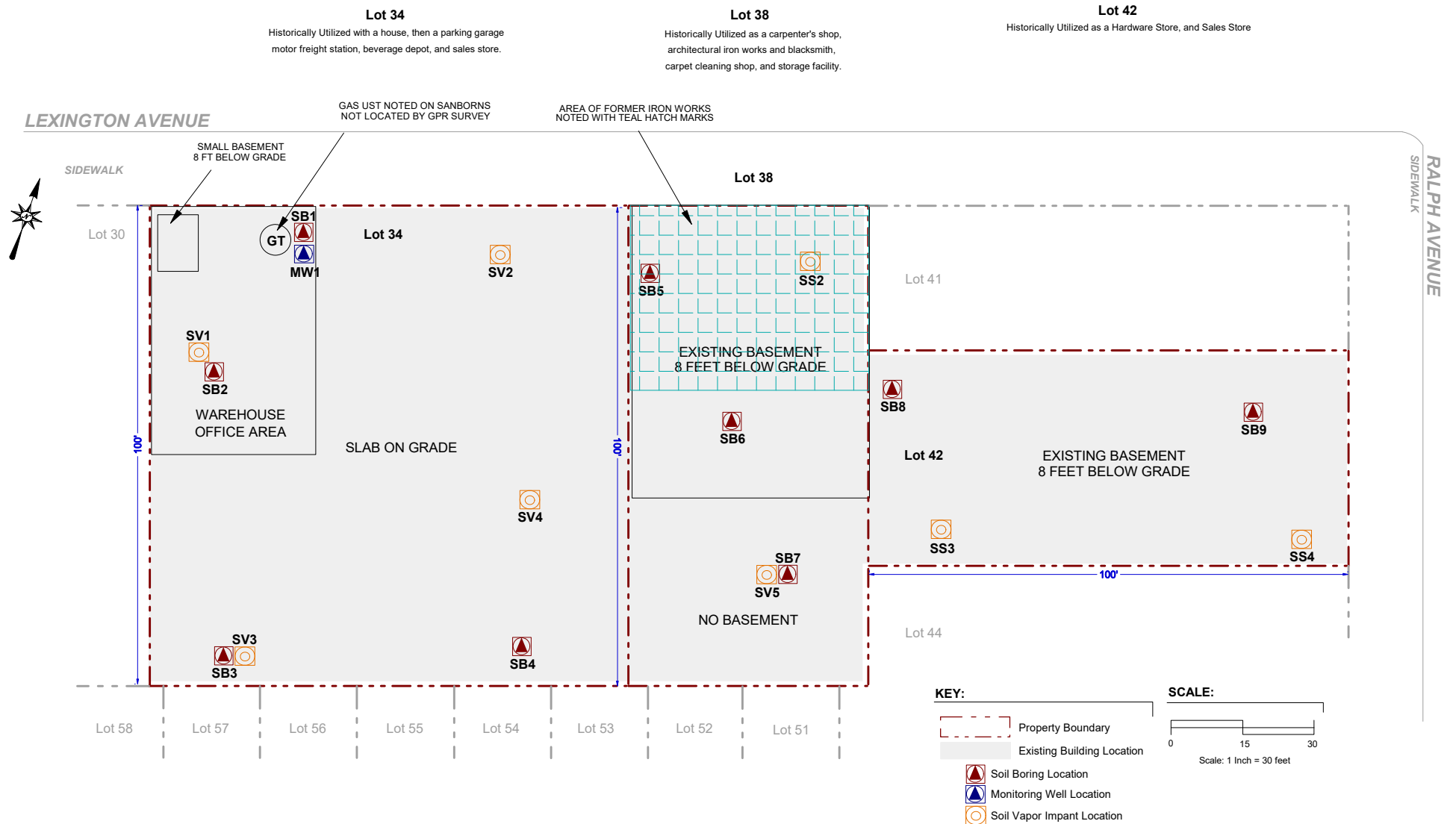
FIGURE 4
SURROUNDING LAND USE MAP

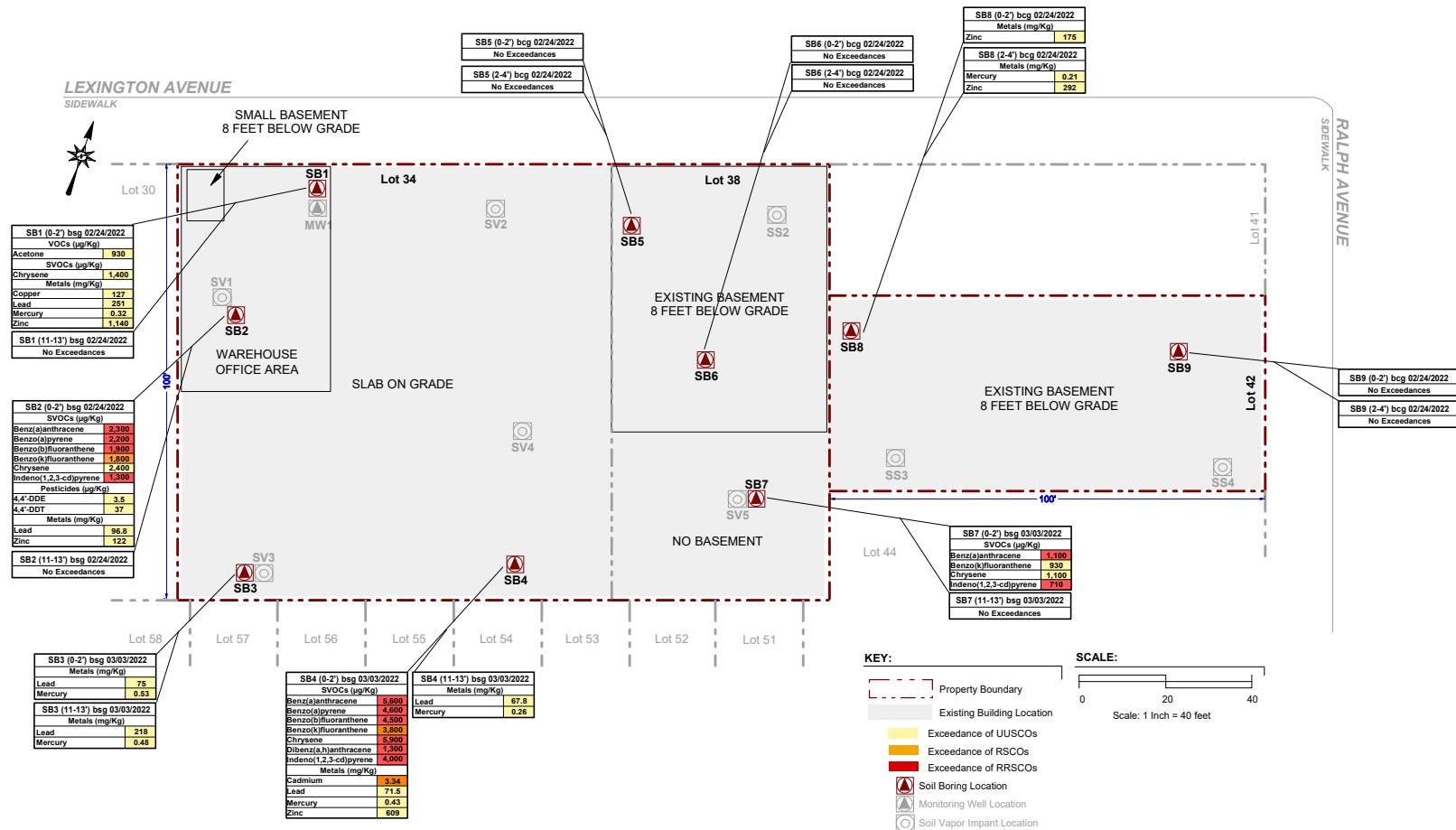
842 & 850 Lexington Avenue, Brooklyn, NY 11221
4 Ralph Avenue, Brooklyn, NY 11221

BRUSSEE
Environmental Corp.

PHONE: 631.338.1749

REMEDIAL INVESTIGATION REPORT





BRUSSEE
Environmental Corp.

Skrqh=#964166;14:7<

Figure No.
6

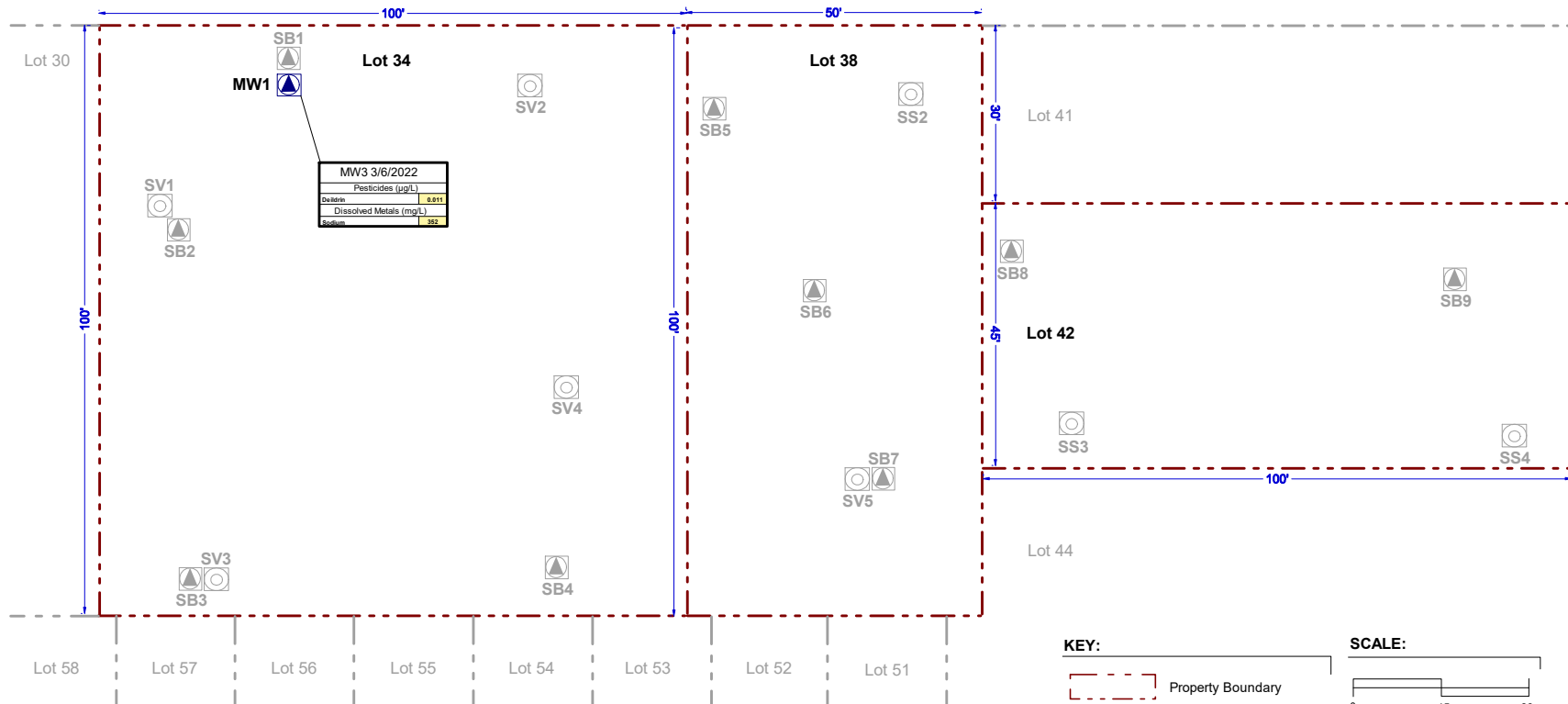
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Site Address: ; 75 #dgg#; 85 #dH [IQ JWR Q #dYHQ XH# #7 #DOSK #dYHQ XH/ #dURRNO\Q/ #Q \

Drawing Title: Vrlo#H{fhgdqfhnv#Pds

LEXINGTON AVENUE
SIDEWALK

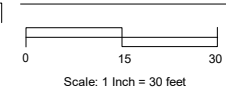
RALPH AVENUE
SIDEWALK



KEY:

- Property Boundary
- Soil Boring Location
- Monitoring Well Location
- Soil Vapor Impant Location

SCALE:



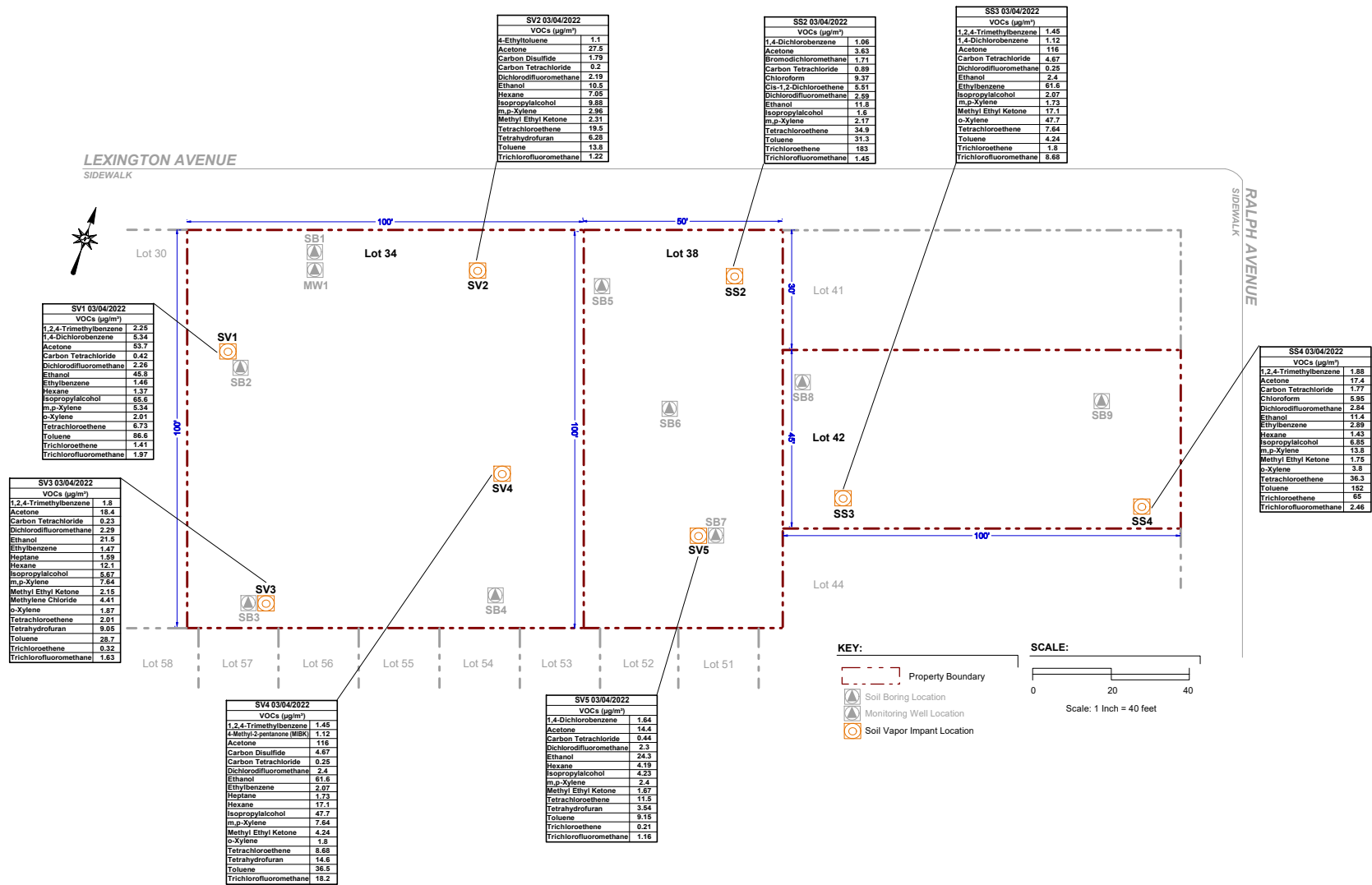
BRUSSEE
Environmental Corp.
PHONE: 631.338.1749

Figure No.
7

Site Name: REDEVELOPMENT PROJECT

Site Address: 842 & 850 LEXINGTON AVENUE, BROOKLYN, NY 11221

Drawing Title: GROUNDWATER EXCEEDANCES MAP



APPENDIX A

Phase I Report

(Previously Uploaded to EPIC)

APPENDIX B

Soil Boring Logs

Geologic Boring Log Details

BRUSSE
Environmental Corp.

14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

SB1

Location: Northwest corner of the Site, in the warehouse on the northwest portion of Lot 34. 32 ft to the east of Lot 30 and 6 ft to the south of the sidewalk along Lexington Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: Redevelopment Site		Address: 842 & 852 Lexington Ave, and 4 Ralph Ave, Brooklyn, NY		Date	DTW
Drilling Company: Coastal Environmental Services		Method: Geoprobe 6620DT		Groundwater depth	
Date Started: 2/24/2022		Date Completed: 2/24/2022		Well Specifications	
Completion Depth: 15 ft below slab-on-grade		Geologist: Robert Bennett			

SB1 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	47		0.0	4" concrete 13" (FILL) black/gray sand, gravel, brick, ash, no odor 20" brown silty sand, no odor 10" (FILL) black/brown silty sand, ash, no odor <i>*Retained soil samples SB1 (0-2')</i>
	5				52" brown silty sand, trace gravel, no odor
	to	52		0.0	
	10				12" brown silty sand, trace gravel, no odor
	to	50		0.0	38" brown sand, gravel, no odor <i>*Retained soil samples SB1 (11-13')</i>
	15				

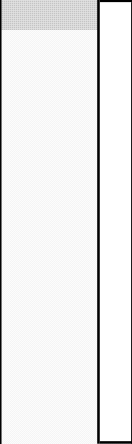
Geologic Boring Log Details

B R U S S E E
Environmental Corp.

14 EVANS LANE, MILLER PLACE, NY 11764
CELL: 631-338-1749

SB2

Location: West side of the Site, on the south side of the warehouse on the northwest portion of Lot 34. 13 ft to the east of Lot 30 and 43 ft to the south of the sidewalk along Lexington Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: Redevelopment Site		Address: 842 & 852 Lexington Ave, and 4 Ralph Ave, Brooklyn, NY		Date	DTW
Drilling Company: Coastal Environmental Services		Method: Geoprobe 6620DT		Groundwater depth	
Date Started: 2/24/2022		Date Completed: 2/24/2022		Well Specifications	
Completion Depth: 15 ft below slab-on-grade		Geologist: Robert Bennett			

SB2 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				4" concrete
	to	55		0.0	21" (FILL) black/brown silty sand, gravel, brick, ash, no odor
	5				31" light brown silt/fine sand, no odor
					*Retained soil samples SB2 (0-2')
	to	58		0.0	58" light brown silt/fine sand, no odor
	10				
	to	56		0.0	16" light brown silt/fine sand, no odor
	15				40" brown sand, trace gravel, no odor
					*Retained soil samples SB2 (11-13')

B R U S S E E
Environmental Corp.

SB5

Location: North-central portion of the Site in the cellar (Lot 38). 17 ft south of the northern foundation wall along Lexington Ave, and 45 ft to the west of Lot 41.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: Redevelopment Site		Address: 842 & 852 Lexington Ave, and 4 Ralph Ave, Brooklyn, NY		Date	DTW
				Ground Elevation	
Drilling Company: Coastal Environmental Services		Method: Core Drill/Hand Auger		Groundwater depth	
Date Started: 2/24/2022		Date Completed: 2/24/2022			
Completion Depth: 4 ft below cellar slab		Geologist Robert Bennett			
				Well Specifications	

[illegible]

B R U S S E E
Environmental Corp.

SB6[illegible]

B R U S S E E
Environmental Corp.

SB8

Site Elevation Datum

Ground Elevation

Well Specifications

Geologist
Robert Bennett

[illegible]

B R U S S E E
Environmental Corp.

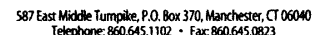
SB9

Location: Northeast portion of Lot 42 in the cellar level. 16 ft south of Lot 41, and 19 ft to the west of the foundation wall along Ralph Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: Redevelopment Site	Address: 842 & 852 Lexington Ave, and 4 Ralph Ave, Brooklyn, NY	Date	DTW	Ground Elevation	
		Groundwater depth		Well Specifications	
Drilling Company: Coastal Environmental Services		Method: Core Drill/Hand Auger			
Date Started: 2/24/2022		Date Completed: 2/24/2022			
Completion Depth: 4 ft below cellar slab		Geologist Robert Bennett			

[illegible]

APPENDIX C

Soil Vapor Sampling Logs



800-827-5426

P.O. #

Page 1 of 2

Fax #:

☒ Email: kerinbrussee@hotmail.com

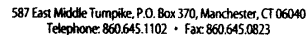
☒ Phone #: (631) 338-1749

Report to: Robert M. Bennett	Project Name: 842 Lexington Ave	Data Format: (Circle) Equis <u>Excel</u> Other:	ir ite (C)
Customer: Brussee (BEC)	Invoice to: BEC (Kevin Brussee)	Requested Deliverable: RCP ASP CAT B	
Address: 14 Evans Lane		MCP NJ Deliverables	
Miller Place, NY	Sampled by: RB 	Quote Number:	

[illegible]

Relinquished by:	Accepted by:	Date:	Time:	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:
		3-4-22	11:17	
		3/4	1702	Signature:  Date: 3/4/22

State Where Samples Collected: <u>NY</u>	Turnaround Time:	Requested Criteria:	(Please Circle)				
	1 Day ☐	CT:	MA:	NJ:	NY:	PA:	VT:
<u>SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:</u> 5 (6L) 2 hr	2 Day ☐	TAC I/C	<u>Indoor Air:</u>	<u>Indoor Air:</u>	Vapor Intrusion	<u>Indoor Air</u>	<u>Indoor Air</u>
	3 Day ☐	TAC RES	Residential	Residential		Residential	Residential
	4 Day ☐	SVVC I/C	Ind/Commercial	Ind/Commercial			Industrial
	5 Day ☒	SVVC RES	<u>Soil Gas:</u>	<u>Soil Gas:</u>		Nor-residential	<u>Sub-slab</u>
		GWV I/C	Residential	Residential			Residential
		GWV CES	Ind/Commercial	Ind/Commercial			Industrial



800-827-5426

email: greg@phoenixlabs.com

Page 2 of 2

Fax #:

☒ Email: kevinbrusse@hotmail.com

☒ Phone #: (631) 338-1749

Report to:	Bob Bennett	Project Name:	842 Lexington Ave	Data Format:	(Circle) Equis <u>Excel</u> Other:
Customer:	Brussee Env. (BEC)	Invoice to:	BEC (Kevin Brussee)	Requested Deliverable:	RCP ASP CAT B
Address:	14 Evans Lane				MCP NJ Deliverables
	Miller Place, NY	Sampled by:	RB [Signature]	Quote Number:	

[illegible]

Relinquished by:	Accepted by:	Date:	Time:	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:
		3.4.22	11:17	
		3/4	1702	Signature:  Date: 3/4/22

State Where Samples Collected: <u>NY</u>	Turnaround Time:	Requested Criteria: (Please Circle)					
SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: 3(6L) 2 hr	1 Day ☐	CT:	MA:	NJ:	NY:	PA:	VT:
	2 Day ☐	TAC I/C	<u>Indoor Air:</u>	<u>Indoor Air:</u>	Vapor Intrusion	<u>Indoor Air</u>	<u>Indoor Air</u>
	3 Day ☐	TAC RES	Residential	Residential		Residential	Residential
	4 Day ☐	SVVC I/C	Ind/Commercial	Ind/Commercial		Non-residential	Industrial
	5 Day ☒	SVVC RES	<u>Soil Gas:</u>	<u>Soil Gas:</u>			<u>Sub-slab</u>
		GWV I/C	Residential	Residential		Residential	Residential
		GWV CES	Ind/Commercial	Ind/Commercial		Industrial	Industrial

APPENDIX D

Groundwater Sampling Logs



GROUNDWATER PURGE / SAMPLE LOGS

842-852 Lexington Avenue & 4 Ralph Avenue, Brooklyn, NY 11221

Well I.D.: MW1

Date: 3/4/2022

Well Depth (from TOC): 46.1

Equipment: Peristaltic Pump, HDPE tubing

Static Water Level (from TOC): 39.4

Height of Water in Well: 6.7

Gallons of Water per Well Volume: 0.27

Minimum Purge Volume: 0.81

Flow Rate: 400ml/min (0.11 GPM)

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:15	0.11 GPM	0								Dark Brown, Turbid
9:30	0.11 GPM	0.5								Dark Brown, Turbid
9:35	0.11 GPM	1								Med. Brown, Turbid
9:40	0.11 GPM	1.5								Light Brown, Turbid
9:45	0.11 GPM	2								Tan Cloudy

Comments:

Sampled at 09:45

GPM = gallons per minute

Note 400 ml = 0.11 gallons

APPENDIX E

Laboratory Reports – Phoenix



Wednesday, March 09, 2022

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 842 LEXINGTON AVE
SDG ID: GCK75857
Sample ID#s: CK75857 - CK75871

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

March 09, 2022

SDG I.D.: GCK75857

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 09, 2022

SDG I.D.: GCK75857

Project ID: 842 LEXINGTON AVE

Client Id	Lab Id	Matrix
SB1 (0-2`)	CK75857	SOIL
SB1 (11-13`)	CK75858	SOIL
SB2 (0-2`)	CK75859	SOIL
SB2 (11-13`)	CK75860	SOIL
SB5 (0-2`)	CK75861	SOIL
SB5 (2-4`)	CK75862	SOIL
SB6 (0-2`)	CK75863	SOIL
SB6 (2-4`)	CK75864	SOIL
SB8 (0-2`)	CK75865	SOIL
SB8 (2-4`)	CK75866	SOIL
SB9 (0-2`)	CK75867	SOIL
SB9 (2-4`)	CK75868	SOIL
DUP	CK75869	SOIL
TRIP BLANK LL	CK75870	SOIL
TRIP BLANK HL	CK75871	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22
02/28/22

Time

10:00
17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75857

Project ID: 842 LEXINGTON AVE
Client ID: SB1 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	8670	39	7.8	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	5.51	0.78	0.78	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	177	0.8	0.39	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	4.27	0.31	0.16	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	11100	3.9	3.6	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.14	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	11.2	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	22.2	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	127	0.8	0.39	mg/kg	1	03/01/22	CPP	SW6010D
Iron	20000	39	39	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.32	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	863	8	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2840	3.9	3.9	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	414	3.9	3.9	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	489	8	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	26.2	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	251	0.8	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.6	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.6	1.6	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	34.1	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	1140	7.8	3.9	mg/Kg	10	03/01/22	CPP	SW6010D
Percent Solid	92			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	54			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	47			%	2	03/01/22	SC	30 - 150 %
% TCMX	52			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	53			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	20	20	ug/Kg	20	03/04/22	AW	SW8081B
4,4' -DDE	ND	20	20	ug/Kg	20	03/04/22	AW	SW8081B
4,4' -DDT	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
a-BHC	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
a-Chlordane	ND	36	36	ug/Kg	20	03/04/22	AW	SW8081B
Alachlor	ND	36	36	ug/Kg	20	03/04/22	AW	SW8081B
Aldrin	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
b-BHC	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
Chlordane	ND	360	360	ug/Kg	20	03/04/22	AW	SW8081B
d-BHC	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
Dieldrin	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
Endosulfan I	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
Endosulfan II	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
Endrin	ND	36	36	ug/Kg	20	03/04/22	AW	SW8081B
Endrin aldehyde	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
Endrin ketone	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
g-BHC	ND	14	14	ug/Kg	20	03/04/22	AW	SW8081B
g-Chlordane	ND	36	36	ug/Kg	20	03/04/22	AW	SW8081B
Heptachlor	ND	36	36	ug/Kg	20	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	72	72	ug/Kg	20	03/04/22	AW	SW8081B
Methoxychlor	ND	360	360	ug/Kg	20	03/04/22	AW	SW8081B
Toxaphene	ND	1400	1400	ug/Kg	20	03/04/22	AW	SW8081B

QA/QC Surrogates

% DCBP	52			%	20	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	43			%	20	03/04/22	AW	30 - 150 %
% TCMX	50			%	20	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	124			%	20	03/04/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	8.1	J 26	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	930	S 810	810	ug/Kg	50	03/01/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	65	32	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	91			%	1	03/01/22	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	95			%	50	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane (50x)	95			%	50	03/01/22	JLI	70 - 130 %
% Toluene-d8 (50x)	93			%	50	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	79	42	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	91			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	21	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	21	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	710	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	130	J 250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	420	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	330	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	560	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	330	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	1400	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	1400	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	190	J 250	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	99	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	140	J 250	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	800	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	1200	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	93			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	73			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	70			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	84			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	85			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	116			%	1	03/01/22	WB	30 - 130 %

Client ID: SB1 (0-2`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/24/22 10:30
02/28/22 17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75858

Project ID: 842 LEXINGTON AVE
Client ID: SB1 (11-13`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	11600	37	7.3	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.55	0.73	0.73	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	34.2	0.7	0.37	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.40	0.29	0.15	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	1360	3.7	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	0.84	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	7.98	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	20.9	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	10.5	0.7	0.37	mg/kg	1	03/01/22	CPP	SW6010D
Iron	14100	37	37	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	656	7	2.9	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2190	3.7	3.7	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	241	3.7	3.7	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	68	7	3.2	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	12.6	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	8.0	0.7	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.5	1.2	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	23.9	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	32.4	0.7	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	91			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	67			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	59			%	2	03/01/22	SC	30 - 150 %
% TCMX	62			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	68			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	53			%	2	03/02/22	AW	30 - 150 %
% TCMX	58			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	26	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	26	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	79	42	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.3	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	21	0.53	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	21	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	360	720	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	120	J 250	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	380	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	720	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	620	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	580	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	370	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	520	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	720	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	97	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	190	180	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	800	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	110	J 250	110	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	1800	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	160	J 250	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	410	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	110	J 250	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	2100	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	1500	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	250	89	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	>200			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	93			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	70			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	87			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	80			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	86			%	1	03/01/22	WB	30 - 130 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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.

3 = This parameter exceeds laboratory specified limits.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

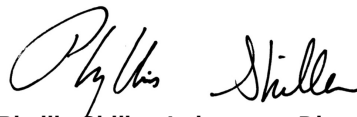
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/24/22 11:00
02/28/22 17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75859

Project ID: 842 LEXINGTON AVE
Client ID: SB2 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	8770	34	6.9	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	3.85	0.69	0.69	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	80.1	0.7	0.34	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.47	0.27	0.14	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	14800	34	32	mg/Kg	10	03/01/22	CPP	SW6010D
Cadmium	1.22	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	6.58	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	25.4	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	27.0	0.7	0.34	mg/kg	1	03/01/22	CPP	SW6010D
Iron	17900	34	34	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.14	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	991	7	2.7	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	4070	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	336	3.4	3.4	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	321	7	2.9	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	12.7	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	96.8	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	24.5	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	122	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	89			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	65			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	03/01/22	SC	30 - 150 %
% TCMX	62			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	3.5	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	37	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B

QA/QC Surrogates

% DCBP	46			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	47			%	2	03/04/22	AW	30 - 150 %
% TCMX	49			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	49			%	2	03/04/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	26	5.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	94			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	78	42	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	94			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	140	J 260	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	370	750	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	75	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	300	170	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	390	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	300	300	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	960	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	2300	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	370	220	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	2200	190	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	1900	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	1200	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	1800	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1900	750	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	510	190	150	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	2400	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	240	190	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	340	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	260	99	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	260	96	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	3500	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	340	260	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	190	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1300	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	190	100	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	240 J	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	4800	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	2800	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	260	92	ug/Kg	1	03/01/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	121			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	87			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	84			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	53			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22
02/28/22

Time

11:30
17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75860

Project ID: 842 LEXINGTON AVE
Client ID: SB2 (11-13`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	5340	34	6.7	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.37	0.67	0.67	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	19.7	0.7	0.34	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.37	0.27	0.13	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	374	3.4	3.1	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	0.85	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	5.94	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	13.5	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	11.8	0.7	0.34	mg/kg	1	03/01/22	CPP	SW6010D
Iron	19700	34	34	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	709	7	2.6	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	1420	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	463	3.4	3.4	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	57	7	2.9	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	10.9	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	4.1	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	21.0	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	24.6	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	93			%		02/28/22	C	SW846-%Solid
Extraction for SVOA SIM	Completed					02/28/22	O/E	SW3545A
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					02/24/22		SW5035A
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	59			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	56			%	2	03/01/22	SC	30 - 150 %
% TCMX	54			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	51			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	65			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	46			%	2	03/02/22	AW	30 - 150 %
% TCMX	56			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	53			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	27	5.4	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	8.6	JS 27	5.4	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.4	2.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	1.1	J 5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	2.2	J 5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.4	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	81	43	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.4	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	22	0.54	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	710	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	99	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	123			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	90			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	87			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	86			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	86			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	83			%	1	03/01/22	WB	30 - 130 %
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	71	71	ug/Kg	1	03/01/22	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	60			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	71			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	72			%	1	03/01/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

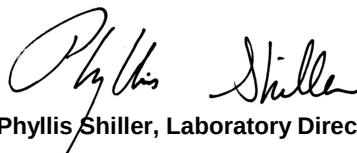
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22
02/28/22

Time

11:45
17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75861

Project ID: 842 LEXINGTON AVE
Client ID: SB5 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	6000	35	7.1	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.77	0.71	0.71	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	22.4	0.7	0.35	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.40	0.28	0.14	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	2980	3.5	3.2	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.00	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	7.34	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	17.4	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	17.2	0.7	0.35	mg/kg	1	03/01/22	CPP	SW6010D
Iron	22400	35	35	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.07	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	747	7	2.8	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	1550	3.5	3.5	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	712	3.5	3.5	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	94	7	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	11.2	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	8.5	0.7	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	28.5	0.35	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	29.5	0.7	0.35	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	97			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	67	67	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	61			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	55			%	2	03/01/22	SC	30 - 150 %
% TCMX	51			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	49			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.3	3.3	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.3	3.3	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.3	3.3	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	33	33	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.3	3.3	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.3	1.3	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.3	3.3	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	33	33	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	130	130	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	61			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	44			%	2	03/02/22	AW	30 - 150 %
% TCMX	49			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	50			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	25	5.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	25	5.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.1	2.0	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	1.0	J 5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	76	40	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.1	1.0	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	20	0.51	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	95	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	130	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	340	680	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	68	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	270	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	340	150	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	270	270	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	340	200	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	680	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	88	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	92	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	88	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	96	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	84	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	112			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	65			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	75			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	68			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 12:00
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75862

Project ID: 842 LEXINGTON AVE
Client ID: SB5 (2-4')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	6840	33	6.6	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.15	0.66	0.66	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	26.5	0.7	0.33	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.36	0.26	0.13	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	4630	3.3	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	0.85	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	6.96	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	14.9	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	18.3	0.7	0.33	mg/kg	1	03/01/22	CPP	SW6010D
Iron	16700	33	33	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.06	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	966	7	2.6	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2040	3.3	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	600	3.3	3.3	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	131	7	2.8	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	12.0	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	9.7	0.7	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	22.8	0.33	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	30.9	0.7	0.33	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	95			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	69			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	65			%	2	03/01/22	SC	30 - 150 %
% TCMX	61			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/01/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/01/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/01/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/01/22	AW	SW8081B

QA/QC Surrogates

% DCBP	70			%	2	03/01/22	AW	30 - 150 %
% DCBP (Confirmation)	57			%	2	03/01/22	AW	30 - 150 %
% TCMX	59			%	2	03/01/22	AW	30 - 150 %
% TCMX (Confirmation)	54			%	2	03/01/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	27	5.5	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.5	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	27	5.5	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.5	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	0.98	J 5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.5	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	82	44	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.5	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	22	0.55	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	340	690	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	340	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	340	200	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	90	J 240	89	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	150	J 240	99	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	96	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	94			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	93			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	77			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	88			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	86			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 12:30
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75863

Project ID: 842 LEXINGTON AVE
Client ID: SB6 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	7380	36	7.1	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.58	0.71	0.71	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	40.4	0.7	0.36	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.41	0.28	0.14	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	13800	36	33	mg/Kg	10	03/01/22	CPP	SW6010D
Cadmium	0.94	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	7.62	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	17.6	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	23.6	0.7	0.36	mg/kg	1	03/01/22	CPP	SW6010D
Iron	19400	36	36	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.08	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1090	7	2.8	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2200	3.6	3.6	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	680	3.6	3.6	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	224	7	3.1	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	12.8	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	17.5	0.7	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	25.0	0.36	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	35.2	0.7	0.36	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	95			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	76			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	03/01/22	SC	30 - 150 %
% TCMX	65			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	63			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	66			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	47			%	2	03/02/22	AW	30 - 150 %
% TCMX	57			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	55			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	30	5.9	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	5.9	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	30	5.9	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.9	2.4	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	0.61	J 5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	5.9	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.9	5.9	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	3.0	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	3.0	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	0.83	J 5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	89	48	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	24	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.9	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	24	0.59	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	120	24	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	690	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	200	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	110	J 240	89	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	150	J 240	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	97	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	93			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	87			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	71			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	79			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	75			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22
02/28/22

Time

12:45
17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75864

Project ID: 842 LEXINGTON AVE
Client ID: SB6 (2-4')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	6280	34	6.8	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.76	0.68	0.68	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	28.5	0.7	0.34	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.44	0.27	0.14	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	6520	3.4	3.1	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.13	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	8.22	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	19.3	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	19.1	0.7	0.34	mg/kg	1	03/01/22	CPP	SW6010D
Iron	25300	34	34	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.06	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	869	7	2.6	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	1820	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	791	3.4	3.4	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	150	7	2.9	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	12.6	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	10.9	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.4	1.1	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	31.4	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	32.4	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	96			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	67	67	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	61			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	57			%	2	03/02/22	SC	30 - 150 %
% TCMX	60			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/02/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.0	2.0	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.4	3.4	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	34	34	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.3	1.3	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	6.7	6.7	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	130	130	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	78			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	53			%	2	03/02/22	AW	30 - 150 %
% TCMX	65			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	25	4.9	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	4.9	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	5.5	JS 25	4.9	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	9.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	4.9	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.9	2.5	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.9	2.5	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	0.73	J 4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	74	40	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	4.9	0.99	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	20	0.49	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	99	20	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	340	690	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	340	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	340	200	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	130	J 240	99	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	96	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	93			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	81			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	92			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	89			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	70			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/24/22 13:15
02/28/22 17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75865

Project ID: 842 LEXINGTON AVE
Client ID: SB8 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	9800	39	7.7	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.41	0.77	0.77	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	54.3	0.8	0.39	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.53	0.31	0.15	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	3110	3.9	3.6	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.08	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	8.80	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	19.4	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	19.7	0.8	0.39	mg/kg	1	03/01/22	CPP	SW6010D
Iron	17200	39	39	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.06	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1420	8	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2910	3.9	3.9	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	351	3.9	3.9	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	181	8	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	15.8	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	16.4	0.8	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	27.7	0.39	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	175	0.8	0.39	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	91			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	69			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	65			%	2	03/01/22	SC	30 - 150 %
% TCMX	60			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/01/22	AW	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/01/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/01/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/01/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/01/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/01/22	AW	SW8081B

QA/QC Surrogates

% DCBP	55			%	2	03/01/22	AW	30 - 150 %
% DCBP (Confirmation)	58			%	2	03/01/22	AW	30 - 150 %
% TCMX	58			%	2	03/01/22	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	03/01/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	1.0	J 5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	1.9	J 5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	1.6	J 5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	87	46	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	23	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	120	23	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	370	730	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	370	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	99	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	260	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	260	90	ug/Kg	1	03/01/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	47			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	34			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	37			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	39			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	56			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 13:30
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75866

Project ID: 842 LEXINGTON AVE
Client ID: SB8 (2-4')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	9110	37	7.4	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.63	0.74	0.74	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	54.3	0.7	0.37	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.43	0.30	0.15	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	6300	3.7	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.11	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	7.43	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	18.9	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	23.3	0.7	0.37	mg/kg	1	03/01/22	CPP	SW6010D
Iron	15700	37	37	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	0.21	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1200	7	2.9	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2590	3.7	3.7	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	363	3.7	3.7	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	204	7	3.2	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	14.0	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	37.5	0.7	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	25.2	0.37	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	292	0.7	0.37	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	92			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	56			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	49			%	2	03/01/22	SC	30 - 150 %
% TCMX	56			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	55			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	53			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	39			%	2	03/02/22	AW	30 - 150 %
% TCMX	49			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	50			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	1.5	J 5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	86	46	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	23	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	120	23	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	700	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	70	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	700	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	98	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	250	86	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	113			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	68			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	72			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	74			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	80			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 14:00
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75867

Project ID: 842 LEXINGTON AVE
Client ID: SB9 (0-2')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	7730	38	7.6	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.88	0.76	0.76	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	44.2	0.8	0.38	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.57	0.30	0.15	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	2570	3.8	3.5	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.02	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	8.18	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	20.9	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	17.4	0.8	0.38	mg/kg	1	03/01/22	CPP	SW6010D
Iron	22100	38	38	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1360	8	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2630	3.8	3.8	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	480	3.8	3.8	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	96	8	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	16.2	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	8.0	0.8	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	30.1	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	39.1	0.8	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	93			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	53			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	65			%	2	03/01/22	SC	30 - 150 %
% TCMX	55			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	56			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/01/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/01/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/01/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/01/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/01/22	AW	SW8081B

QA/QC Surrogates

% DCBP	64			%	2	03/01/22	AW	30 - 150 %
% DCBP (Confirmation)	60			%	2	03/01/22	AW	30 - 150 %
% TCMX	58			%	2	03/01/22	AW	30 - 150 %
% TCMX (Confirmation)	54			%	2	03/01/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	6.5 JS	29	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	2.9	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	0.65	J 5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	87	46	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.8	1.2	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	23	0.58	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	120	23	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	710	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	170	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	250	99	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	180	99	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	03/01/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	111			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	77			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	71			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	71			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	87			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 14:30
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75868

Project ID: 842 LEXINGTON AVE
Client ID: SB9 (2-4')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	7910	34	6.9	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	2.93	0.69	0.69	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	43.2	0.7	0.34	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.68	0.28	0.14	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	1560	3.4	3.2	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.52	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	12.0	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	28.0	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	20.4	0.7	0.34	mg/kg	1	03/01/22	CPP	SW6010D
Iron	34500	34	34	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1200	7	2.7	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2310	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	979	3.4	3.4	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	91	7	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	15.8	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	13.5	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	37.2	0.34	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	47.4	0.7	0.34	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	93			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	69			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	67			%	2	03/01/22	SC	30 - 150 %
% TCMX	57			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	54			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/01/22	AW	SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/01/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/01/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/01/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/01/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/01/22	AW	SW8081B

QA/QC Surrogates

% DCBP	94			%	2	03/01/22	AW	30 - 150 %
% DCBP (Confirmation)	81			%	2	03/01/22	AW	30 - 150 %
% TCMX	55			%	2	03/01/22	AW	30 - 150 %
% TCMX (Confirmation)	51			%	2	03/01/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	33	6.7	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.7	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	8.0 JS	33	6.7	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	13	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	6.7	2.7	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	40	6.7	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	6.7	6.7	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.3	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.3	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	0.77	J 6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	6.7	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	53	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	27	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	6.7	1.3	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	27	0.67	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	130	27	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	87	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	700	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	70	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	700	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	94	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	93	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	98	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	86	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	129			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	88			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	74			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	76			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	93			%	1	03/01/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22 14:40
02/28/22 17:07

Time

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75869

Project ID: 842 LEXINGTON AVE
Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Aluminum	10300	38	7.7	mg/Kg	10	03/01/22	CPP	SW6010D
Arsenic	1.99	0.77	0.77	mg/Kg	1	03/01/22	CPP	SW6010D
Barium	52.7	0.8	0.38	mg/Kg	1	03/01/22	EK	SW6010D
Beryllium	0.60	0.31	0.15	mg/Kg	1	03/01/22	CPP	SW6010D
Calcium	1200	3.8	3.5	mg/Kg	1	03/01/22	CPP	SW6010D
Cadmium	1.21	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Cobalt	9.59	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Chromium	24.4	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Copper	20.7	0.8	0.38	mg/kg	1	03/01/22	CPP	SW6010D
Iron	25100	38	38	mg/Kg	10	03/01/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	MGH	SW7471B
Potassium	1560	8	3.0	mg/Kg	1	03/01/22	CPP	SW6010D
Magnesium	2700	3.8	3.8	mg/Kg	1	03/01/22	CPP	SW6010D
Manganese	571	3.8	3.8	mg/Kg	10	03/01/22	CPP	SW6010D
Sodium	106	8	3.3	mg/Kg	1	03/01/22	CPP	SW6010D
Nickel	16.3	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Lead	6.8	0.8	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/01/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/01/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/01/22	CPP	SW6010D
Vanadium	34.7	0.38	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Zinc	41.8	0.8	0.38	mg/Kg	1	03/01/22	CPP	SW6010D
Percent Solid	93			%		02/28/22	C	SW846-%Solid
Soil Extraction for PCB	Completed					02/28/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					02/28/22	O/E	SW3545A
Field Extraction	Completed					02/24/22		SW5035A

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/01/22	K/AB/AB	SW7471B
Soil Extraction for SVOA	Completed					02/28/22	R/L	SW3546
Total Metals Digest	Completed					02/28/22	M/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/01/22	SC	SW8082A

QA/QC Surrogates

% DCBP	59			%	2	03/01/22	SC	30 - 150 %
% DCBP (Confirmation)	45			%	2	03/01/22	SC	30 - 150 %
% TCMX	54			%	2	03/01/22	SC	30 - 150 %
% TCMX (Confirmation)	51			%	2	03/01/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/02/22	AW	SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/02/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/02/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/02/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/02/22	AW	SW8081B

QA/QC Surrogates

% DCBP	60			%	2	03/02/22	AW	30 - 150 %
% DCBP (Confirmation)	43			%	2	03/02/22	AW	30 - 150 %
% TCMX	54			%	2	03/02/22	AW	30 - 150 %
% TCMX (Confirmation)	54			%	2	03/02/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
2-Chlorotoluene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
2-Hexanone	ND	28	5.6	ug/Kg	1	03/01/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
4-Chlorotoluene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	5.6	ug/Kg	1	03/01/22	JLI	SW8260C
Acetone	17	JS 28	5.6	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Benzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Bromobenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Bromochloromethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Bromodichloromethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromoform	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Bromomethane	ND	5.6	2.3	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon Disulfide	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Carbon tetrachloride	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Chlorobenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Chloroform	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Chloromethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromochloromethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dibromomethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Ethylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Isopropylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	5.6	ug/Kg	1	03/01/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Methylene chloride	ND	5.6	5.6	ug/Kg	1	03/01/22	JLI	SW8260C
Naphthalene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
n-Butylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
n-Propylbenzene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
o-Xylene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
sec-Butylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Styrene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
tert-Butylbenzene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrachloroethene	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.8	ug/Kg	1	03/01/22	JLI	SW8260C
Toluene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.8	ug/Kg	1	03/01/22	JLI	SW8260C
Trichloroethene	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Vinyl chloride	ND	5.6	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	85	45	ug/kg	1	03/01/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/01/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/01/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/01/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/01/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrolein	ND	5.6	1.1	ug/Kg	1	03/01/22	JLI	SW8260C
Acrylonitrile	ND	23	0.56	ug/Kg	1	03/01/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	23	ug/Kg	1	03/01/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/01/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/01/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/01/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/01/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/01/22	WB	SW8270D
3-Nitroaniline	ND	350	690	ug/Kg	1	03/01/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	03/01/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/01/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/01/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Acenaphthylene	ND	240	97	ug/Kg	1	03/01/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/01/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzidine	ND	350	200	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	03/01/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	94	ug/Kg	1	03/01/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/01/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/01/22	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	03/01/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/01/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Isophorone	ND	170	97	ug/Kg	1	03/01/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/01/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/01/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/01/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/01/22	WB	SW8270D
Phenanthrene	ND	240	99	ug/Kg	1	03/01/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/01/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/01/22	WB	SW8270D
Pyridine	ND	240	85	ug/Kg	1	03/01/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	110			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorobiphenyl	75			%	1	03/01/22	WB	30 - 130 %
% 2-Fluorophenol	63			%	1	03/01/22	WB	30 - 130 %
% Nitrobenzene-d5	66			%	1	03/01/22	WB	30 - 130 %
% Phenol-d5	66			%	1	03/01/22	WB	30 - 130 %
% Terphenyl-d14	85			%	1	03/01/22	WB	30 - 130 %

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

02/24/22
02/28/22 17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75870

Project ID: 842 LEXINGTON AVE
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					02/24/22		SW5035A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	02/28/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	02/28/22	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	02/28/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	02/28/22	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	02/28/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	02/28/22	JLI	SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	02/28/22	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	02/28/22	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	02/28/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	02/28/22	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	97			%	1	02/28/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	02/28/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	02/28/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	02/28/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	02/28/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	02/28/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	02/28/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Acrolein	ND	5.0	1.0	ug/Kg	1	02/28/22	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	02/28/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	02/28/22	JLI	SW8260C

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

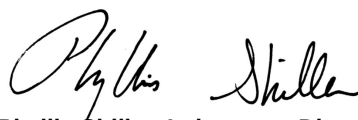
Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/24/22
02/28/22 17:07

Laboratory Data

SDG ID: GCK75857
Phoenix ID: CK75871

Project ID: 842 LEXINGTON AVE
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					02/24/22		SW5035A
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,1-Dichloropropene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
1,3-Dichloropropane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
2,2-Dichloropropane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
2-Chlorotoluene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	02/28/22	JLI	SW8260C
2-Isopropyltoluene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	02/28/22	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	02/28/22	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	02/28/22	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	02/28/22	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	02/28/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	02/28/22	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	02/28/22	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	02/28/22	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	02/28/22	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	02/28/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	95			%	50	02/28/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	02/28/22	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane (50x)	96			%	50	02/28/22	JLI	70 - 130 %
% Toluene-d8 (50x)	93			%	50	02/28/22	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	3800	2000	ug/kg	50	02/28/22	JLI	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4 (50x)	95			%	50	02/28/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97			%	50	02/28/22	JLI	70 - 130 %
% Dibromofluoromethane (50x)	96			%	50	02/28/22	JLI	70 - 130 %
% Toluene-d8 (50x)	93			%	50	02/28/22	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	02/28/22	JLI	SW8260C
Acrolein	ND	250	50	ug/Kg	50	02/28/22	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	02/28/22	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	02/28/22	JLI	SW8260C

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 Limit

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Wednesday, March 09, 2022

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCK75857 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK75857	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	930	810	50	50	ug/Kg
CK75857	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	930	810	50	50	ug/Kg
CK75857	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1400	250	1000	1000	ug/Kg
CK75857	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1400	250	1000	1000	ug/Kg
CK75857	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	250	1000	1000	ug/Kg
CK75857	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	14	3.3	3.3	ug/Kg
CK75857	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	14	5	5	ug/Kg
CK75857	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	14	5	5	ug/Kg
CK75857	\$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	36	14	14	ug/Kg
CK75857	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	20	3.3	3.3	ug/Kg
CK75857	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	20	3.3	3.3	ug/Kg
CK75857	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	127	0.8	50	50	mg/kg
CK75857	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.32	0.03	0.18	0.18	mg/Kg
CK75857	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	251	0.8	63	63	mg/Kg
CK75857	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1140	7.8	109	109	mg/Kg
CK75859	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1900	260	1700	1700	ug/Kg
CK75859	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2300	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1800	260	1700	1700	ug/Kg
CK75859	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2400	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1900	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2300	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	190	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	260	500	500	ug/Kg
CK75859	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2400	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	260	500	500	ug/Kg
CK75859	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	190	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	190	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	260	800	800	ug/Kg
CK75859	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	260	1000	1000	ug/Kg
CK75859	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	500	500	ug/Kg
CK75859	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.5	2.2	3.3	3.3	ug/Kg
CK75859	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	37	2.2	3.3	3.3	ug/Kg
CK75859	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	96.8	0.7	63	63	mg/Kg
CK75859	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	122	0.7	109	109	mg/Kg
CK75865	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	175	0.8	109	109	mg/Kg

Wednesday, March 09, 2022

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCK75857 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK75866	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
CK75866	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	292	0.7	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.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 09, 2022

SDG I.D.: GCK75857

The samples in this delivery group were received at 2.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Wednesday, March 09, 2022

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 842 LEXINGTON AVE
SDG ID: GCK80030
Sample ID#s: CK80030 - CK80037

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
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SDG Comments

March 09, 2022

SDG I.D.: GCK80030

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 09, 2022

SDG I.D.: GCK80030

Project ID: 842 LEXINGTON AVE

Client Id	Lab Id	Matrix
SB3 (0-2)	CK80030	SOIL
SB3 (11-13)	CK80031	SOIL
SB4 (0-2)	CK80032	SOIL
SB4 (11-13)	CK80033	SOIL
SB7 (0-2)	CK80034	SOIL
SB7 (11-13)	CK80035	SOIL
TRIP BLANK LOW	CK80036	SOIL
TRIP BLANK HIGH	CK80037	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22
03/04/22

Time

9:40
17:02

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80030

Project ID: 842 LEXINGTON AVE
Client ID: SB3 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	9740	39	7.8	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	3.42	0.78	0.78	mg/Kg	1	03/05/22	EK	SW6010D
Barium	57.0	0.8	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.46	0.31	0.16	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	2270	3.9	3.6	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	1.01	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	10.8	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	17.3	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Copper	23.3	0.8	0.39	mg/kg	1	03/05/22	EK	SW6010D
Iron	19000	39	39	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	0.53	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	1010	8	3.1	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	2090	3.9	3.9	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	326	3.9	3.9	mg/Kg	10	03/05/22	EK	SW6010D
Sodium	204	8	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	13.7	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Lead	75.0	0.8	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.6	1.3	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.6	1.6	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	25.7	0.39	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	51.1	0.8	0.39	mg/Kg	1	03/05/22	EK	SW6010D
Percent Solid	91			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/04/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/04/22	O/E	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	63			%	2	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	03/07/22	SC	30 - 150 %
% TCMX	55			%	2	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/07/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/07/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/07/22	AW	SW8081B

QA/QC Surrogates

% DCBP	43			%	2	03/07/22	AW	30 - 150 %
% DCBP (Confirmation)	64			%	2	03/07/22	AW	30 - 150 %
% TCMX	52			%	2	03/07/22	AW	30 - 150 %
% TCMX (Confirmation)	51			%	2	03/07/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	22	4.3	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	4.3	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	9.1	JS 22	4.3	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	8.7	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	4.3	1.7	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	4.3	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.7	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	4.3	4.3	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.7	2.2	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.7	2.2	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	4.3	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	65	35	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	17	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	4.3	0.87	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	17	0.43	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	87	17	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	360	720	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	190	J 250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	680	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	610	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	520	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	400	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	520	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1800	720	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	97	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	780	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	1400	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	450	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	1300	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	1400	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyridine	ND	250	89	ug/Kg	1	03/05/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	94			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	60			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	72			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	70			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	78			%	1	03/05/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22 10:10
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80031

Project ID: 842 LEXINGTON AVE
Client ID: SB3 (11-13)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	7850	36	7.1	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	4.58	0.71	0.71	mg/Kg	1	03/05/22	EK	SW6010D
Barium	96.7	0.7	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.39	0.29	0.14	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	902	3.6	3.3	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	0.72	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	2.77	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	13.1	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Copper	43.2	0.7	0.36	mg/kg	1	03/05/22	EK	SW6010D
Iron	10900	36	36	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	0.48	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	424	7	2.8	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	1200	3.6	3.6	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	87.2	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Sodium	94	7	3.1	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	7.78	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Lead	218	0.7	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	15.7	0.36	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	34.2	0.7	0.36	mg/Kg	1	03/05/22	EK	SW6010D
Percent Solid	91			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/04/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/04/22	O/E	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	67			%	2	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	70			%	2	03/07/22	SC	30 - 150 %
% TCMX	65			%	2	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	65			%	2	03/07/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/07/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/07/22	AW	SW8081B

QA/QC Surrogates

% DCBP	44			%	2	03/07/22	AW	30 - 150 %
% DCBP (Confirmation)	69			%	2	03/07/22	AW	30 - 150 %
% TCMX	55			%	2	03/07/22	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/07/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	77	41	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	360	730	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	120	J 250	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	190	J 250	120	ug/Kg	1	03/05/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	110	J 250	100	ug/Kg	1	03/05/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	180	J 250	130	ug/Kg	1	03/05/22	WB	SW8270D
Pyridine	ND	250	90	ug/Kg	1	03/05/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	45			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	49			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	52			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	70			%	1	03/05/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22 10:40
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80032

Project ID: 842 LEXINGTON AVE
Client ID: SB4 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	8550	34	6.8	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	2.92	0.68	0.68	mg/Kg	1	03/05/22	EK	SW6010D
Barium	49.8	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.44	0.27	0.14	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	4380	3.4	3.1	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	3.34	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	6.58	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	23.1	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Copper	20.5	0.7	0.34	mg/kg	1	03/05/22	EK	SW6010D
Iron	21900	34	34	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	0.43	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	989	7	2.7	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	2950	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	349	3.4	3.4	mg/Kg	10	03/05/22	EK	SW6010D
Sodium	211	7	2.9	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	12.2	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Lead	71.5	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	29.1	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	609	6.8	3.4	mg/Kg	10	03/05/22	EK	SW6010D
Percent Solid	93			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/04/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/04/22	O/E	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	57			%	2	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	61			%	2	03/07/22	SC	30 - 150 %
% TCMX	64			%	2	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/07/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/07/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/07/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/07/22	AW	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/07/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/07/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/07/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/07/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/07/22	AW	SW8081B

QA/QC Surrogates

% DCBP	55			%	2	03/07/22	AW	30 - 150 %
% DCBP (Confirmation)	56			%	2	03/07/22	AW	30 - 150 %
% TCMX	54			%	2	03/07/22	AW	30 - 150 %
% TCMX (Confirmation)	49			%	2	03/07/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	33	6.6	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.6	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	ND	33	6.6	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	13	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	6.6	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	39	6.6	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	6.6	6.6	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	3.3	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	3.3	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	6.6	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	98	52	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	26	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	6.6	1.3	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	26	0.66	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	130	26	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	240	J 250	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	350	710	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	1200	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	120	J 250	99	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	1700	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	5600	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	350	210	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	4600	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	4500	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	3400	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	3800	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	1200	180	140	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	5900	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	1300	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	680	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	15000	2500	1100	ug/Kg	10	03/07/22	WB	SW8270D
Fluorene	820	250	120	ug/Kg	1	03/05/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	100	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	4000	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	180	99	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	850	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	11000	2500	1000	ug/Kg	10	03/07/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	13000	2500	1200	ug/Kg	10	03/07/22	WB	SW8270D
Pyridine	ND	250	87	ug/Kg	1	03/05/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	96			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	78			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	60			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	70			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	69			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	76			%	1	03/05/22	WB	30 - 130 %
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	03/07/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

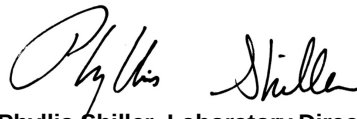
Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22
03/04/22

Time

11:10
17:02

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80033

Project ID: 842 LEXINGTON AVE
Client ID: SB4 (11-13)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	12100	34	6.8	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	2.23	0.68	0.68	mg/Kg	1	03/05/22	EK	SW6010D
Barium	90.0	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.62	0.27	0.14	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	615	3.4	3.1	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	0.86	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	4.21	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	16.2	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Copper	17.5	0.7	0.34	mg/kg	1	03/05/22	EK	SW6010D
Iron	12300	34	34	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	0.26	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	474	7	2.6	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	1410	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	436	3.4	3.4	mg/Kg	10	03/05/22	EK	SW6010D
Sodium	89	7	2.9	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	10.1	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Lead	67.8	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	18.5	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	52.0	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Percent Solid	91			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/04/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/04/22	O/E	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	57			%	2	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	55			%	2	03/07/22	SC	30 - 150 %
% TCMX	53			%	2	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	52			%	2	03/07/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/07/22	AW	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/07/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/07/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/07/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/07/22	AW	SW8081B

QA/QC Surrogates

% DCBP	36			%	2	03/07/22	AW	30 - 150 %
% DCBP (Confirmation)	57			%	2	03/07/22	AW	30 - 150 %
% TCMX	47			%	2	03/07/22	AW	30 - 150 %
% TCMX (Confirmation)	50			%	2	03/07/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	27	5.5	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.5	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	ND	27	5.5	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	11	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	5.5	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	2.7	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	2.7	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	5.5	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	82	44	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	97			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	5.5	1.1	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	22	0.55	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	360	720	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	290	290	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	370	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	360	210	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	320	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	280	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	190	J 250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	320	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1800	720	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	380	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	630	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	240 J	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	180	100	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	280	250	100	ug/Kg	1	03/05/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	530	250	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyridine	ND	250	89	ug/Kg	1	03/05/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	70			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	53			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	61			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	60			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	69			%	1	03/05/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22 11:40
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80034

Project ID: 842 LEXINGTON AVE
Client ID: SB7 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	5720	33	6.6	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	1.63	0.66	0.66	mg/Kg	1	03/05/22	EK	SW6010D
Barium	39.2	0.7	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.39	0.26	0.13	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	868	3.3	3.0	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	1.01	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	5.64	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	12.7	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Copper	12.3	0.7	0.33	mg/kg	1	03/05/22	EK	SW6010D
Iron	21000	33	33	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	0.09	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	675	7	2.6	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	1340	3.3	3.3	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	441	3.3	3.3	mg/Kg	10	03/05/22	EK	SW6010D
Sodium	95	7	2.8	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	10.2	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Lead	16.0	0.7	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	23.0	0.33	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	35.9	0.7	0.33	mg/Kg	1	03/05/22	EK	SW6010D
Percent Solid	95			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/04/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/04/22	O/E	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	70			%	2	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	03/07/22	SC	30 - 150 %
% TCMX	60			%	2	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	03/07/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/07/22	AW	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	03/07/22	AW	SW8081B
Alachlor	ND	3.4	3.4	ug/Kg	2	03/07/22	AW	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	03/07/22	AW	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Chlordane	ND	34	34	ug/Kg	2	03/07/22	AW	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/07/22	AW	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	03/07/22	AW	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	03/07/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/07/22	AW	SW8081B

QA/QC Surrogates

% DCBP	45			%	2	03/07/22	AW	30 - 150 %
% DCBP (Confirmation)	66			%	2	03/07/22	AW	30 - 150 %
% TCMX	57			%	2	03/07/22	AW	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/07/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	4.0	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	78	42	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	96			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	97	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	340	690	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	69	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	340	110	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	340	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	ND	240	96	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	190	J 240	110	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	1100	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	340	200	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	950	170	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	780	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	510	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	930	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1700	690	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	93	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	1100	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	150	J 170	110	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	1700	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	710	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	170	96	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	840	240	98	ug/Kg	1	03/05/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	1400	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyridine	ND	240	85	ug/Kg	1	03/05/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	98			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	54			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	64			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	63			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	77			%	1	03/05/22	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22
03/04/22

Time

12:10
17:02

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80035

Project ID: 842 LEXINGTON AVE
Client ID: SB7 (11-13)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Aluminum	8410	34	6.7	mg/Kg	10	03/05/22	EK	SW6010D
Arsenic	1.37	0.67	0.67	mg/Kg	1	03/05/22	EK	SW6010D
Barium	29.3	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Beryllium	0.36	0.27	0.13	mg/Kg	1	03/05/22	EK	SW6010D
Calcium	515	3.4	3.1	mg/Kg	1	03/05/22	EK	SW6010D
Cadmium	0.65	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Cobalt	3.63	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Chromium	11.3	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Copper	4.5	0.7	0.34	mg/kg	1	03/05/22	EK	SW6010D
Iron	10300	34	34	mg/Kg	10	03/05/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/08/22	MGH	SW7471B
Potassium	363	7	2.6	mg/Kg	1	03/05/22	EK	SW6010D
Magnesium	1230	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Manganese	128	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Sodium	96	7	2.9	mg/Kg	1	03/05/22	EK	SW6010D
Nickel	7.60	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Lead	5.7	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/05/22	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/05/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/05/22	EK	SW6010D
Vanadium	15.4	0.34	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Zinc	19.2	0.7	0.34	mg/Kg	1	03/05/22	EK	SW6010D
Percent Solid	94			%		03/04/22	CK	SW846-%Solid
Soil Extraction for PCB	Completed					03/07/22	O/L	SW3545A
Soil Extraction for Pesticide	Completed					03/07/22	O/L	SW3545A
Field Extraction	Completed					03/03/22		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					03/06/22	AB/AB	SW7471B
Soil Extraction for SVOA	Completed					03/04/22	B/R/L	SW3546
Total Metals Digest	Completed					03/04/22	P/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/08/22	SC	SW8082A

QA/QC Surrogates

% DCBP	86			%	2	03/08/22	SC	30 - 150 %
% DCBP (Confirmation)	85			%	2	03/08/22	SC	30 - 150 %
% TCMX	68			%	2	03/08/22	SC	30 - 150 %
% TCMX (Confirmation)	74			%	2	03/08/22	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/08/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/08/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/08/22	AW	SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/08/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/08/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/08/22	AW	SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/08/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	03/08/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/08/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/08/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/08/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/08/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/08/22	AW	SW8081B

QA/QC Surrogates

% DCBP	51			%	2	03/08/22	AW	30 - 150 %
% DCBP (Confirmation)	56			%	2	03/08/22	AW	30 - 150 %
% TCMX	59			%	2	03/08/22	AW	30 - 150 %
% TCMX (Confirmation)	57			%	2	03/08/22	AW	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Chlorotoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	ND	26	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	0.58	J 5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	1.5	J 5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	2.0	J 5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.6	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	77	41	ug/kg	1	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	98			%	1	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	03/06/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Dichlorobenzene	ND	240	98	ug/Kg	1	03/05/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
1,3-Dichlorobenzene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
1,4-Dichlorobenzene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	97	ug/Kg	1	03/05/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/05/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dichlorophenol	ND	170	120	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/05/22	WB	SW8270D
2,4-Dinitrotoluene	ND	170	140	ug/Kg	1	03/05/22	WB	SW8270D
2,6-Dinitrotoluene	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	03/05/22	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	03/05/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/05/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/05/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	170	160	ug/Kg	1	03/05/22	WB	SW8270D
3-Nitroaniline	ND	350	700	ug/Kg	1	03/05/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	70	ug/Kg	1	03/05/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	03/05/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/05/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Acenaphthylene	ND	240	98	ug/Kg	1	03/05/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Aniline	ND	280	280	ug/Kg	1	03/05/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzidine	ND	350	200	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(a)pyrene	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Benzoic acid	ND	1700	700	ug/Kg	1	03/05/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	170	94	ug/Kg	1	03/05/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/05/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-butylphthalate	ND	240	93	ug/Kg	1	03/05/22	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	03/05/22	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Hexachlorobenzene	ND	170	100	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	03/05/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Hexachloroethane	ND	170	100	ug/Kg	1	03/05/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Isophorone	ND	170	98	ug/Kg	1	03/05/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Nitrobenzene	ND	170	120	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	110	ug/Kg	1	03/05/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachloronitrobenzene	ND	240	130	ug/Kg	1	03/05/22	WB	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	03/05/22	WB	SW8270D
Phenanthrene	ND	240	100	ug/Kg	1	03/05/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/05/22	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	03/05/22	WB	SW8270D
Pyridine	ND	240	86	ug/Kg	1	03/05/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorobiphenyl	73			%	1	03/05/22	WB	30 - 130 %
% 2-Fluorophenol	52			%	1	03/05/22	WB	30 - 130 %
% Nitrobenzene-d5	59			%	1	03/05/22	WB	30 - 130 %
% Phenol-d5	59			%	1	03/05/22	WB	30 - 130 %
% Terphenyl-d14	81			%	1	03/05/22	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 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time

03/03/22
03/04/22 17:02

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80036

Project ID: 842 LEXINGTON AVE
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					03/03/22		SW5035A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acetone	5.1 JS	25	5.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Bromobenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dibromomethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	03/06/22	JLI	SW8260C
Naphthalene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	03/06/22	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	03/06/22	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	03/06/22	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	95			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/06/22	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	75	40	ug/kg	1	03/06/22	JLI	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	100			%	1	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/06/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/06/22	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrolein	ND	5.0	1.0	ug/Kg	1	03/06/22	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	03/06/22	JLI	SW8260C

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

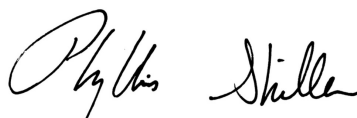
TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: SOIL
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/03/22
03/04/22 17:02

Laboratory Data

SDG ID: GCK80030
Phoenix ID: CK80037

Project ID: 842 LEXINGTON AVE
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed					03/03/22		SW5035A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,1-Dichloropropene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
1,3-Dichloropropane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
2,2-Dichloropropane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
2-Chlorotoluene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	03/06/22	JLI	SW8260C
2-Isopropyltoluene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	03/06/22	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	03/06/22	JLI	SW8260C
Acrylonitrile	ND	500	50	ug/Kg	50	03/06/22	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Bromobenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	03/06/22	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Carbon tetrachloride	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Dibromomethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Hexachlorobutadiene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	03/06/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	03/06/22	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	03/06/22	JLI	SW8260C
Naphthalene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
n-Butylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
n-Propylbenzene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
p-Isopropyltoluene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
sec-Butylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
tert-Butylbenzene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	03/06/22	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	03/06/22	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	101			%	50	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	93			%	50	03/06/22	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane (50x)	90			%	50	03/06/22	JLI	70 - 130 %
% Toluene-d8 (50x)	97			%	50	03/06/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3800	2000	ug/kg	50	03/06/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	101			%	50	03/06/22	JLI	70 - 130 %
% Bromofluorobenzene (50x)	93			%	50	03/06/22	JLI	70 - 130 %
% Dibromofluoromethane (50x)	90			%	50	03/06/22	JLI	70 - 130 %
% Toluene-d8 (50x)	97			%	50	03/06/22	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	03/06/22	JLI	SW8260C
Acrolein	ND	250	50	ug/Kg	50	03/06/22	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	03/06/22	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	03/06/22	JLI	SW8260C

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Wednesday, March 09, 2022

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCK80030 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK80030	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.53	0.03	0.18	0.18	mg/Kg
CK80030	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	75.0	0.8	63	63	mg/Kg
CK80031	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.48	0.03	0.18	0.18	mg/Kg
CK80031	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	218	0.7	63	63	mg/Kg
CK80032	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4500	250	1700	1700	ug/Kg
CK80032	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5600	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5900	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	3800	250	1700	1700	ug/Kg
CK80032	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	5900	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3800	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4000	250	500	500	ug/Kg
CK80032	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4500	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	180	330	330	ug/Kg
CK80032	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4600	180	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5600	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4600	180	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5600	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	250	3900	3900	ug/Kg
CK80032	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	180	330	330	ug/Kg
CK80032	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	250	500	500	ug/Kg
CK80032	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	250	800	800	ug/Kg
CK80032	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	180	330	330	ug/Kg
CK80032	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	250	500	500	ug/Kg
CK80032	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	250	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4600	180	1000	1000	ug/Kg
CK80032	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	250	1000	1000	ug/Kg
CK80032	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.34	0.34	2.5	2.5	mg/Kg
CK80032	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.34	0.34	2.5	2.5	mg/Kg
CK80032	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.43	0.03	0.18	0.18	mg/Kg
CK80032	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	71.5	0.7	63	63	mg/Kg
CK80032	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	609	6.8	109	109	mg/Kg
CK80033	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.26	0.03	0.18	0.18	mg/Kg
CK80033	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	67.8	0.7	63	63	mg/Kg
CK80034	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	710	240	500	500	ug/Kg

Wednesday, March 09, 2022

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCK80030 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK80034	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	710	240	500	500	ug/Kg
CK80034	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	240	1000	1000	ug/Kg
CK80034	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	930	240	800	800	ug/Kg
CK80034	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	710	240	500	500	ug/Kg
CK80034	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	240	1000	1000	ug/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.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 09, 2022

SDG I.D.: GCK80030

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Tuesday, March 15, 2022

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 842 LEXINGTON AVE
SDG ID: GCK80027
Sample ID#s: CK80027 - CK80029

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

March 15, 2022

SDG I.D.: GCK80027

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

1,4-dioxane:

1,4-dioxane does not meet GW criteria, this compound is analyzed by GC/MS method 522 or 8270SIM when this criteria needs to be met.

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Sample Id Cross Reference

March 15, 2022

SDG I.D.: GCK80027

Project ID: 842 LEXINGTON AVE

Client Id	Lab Id	Matrix
MW1	CK80027	GROUND WATER
DUP	CK80028	GROUND WATER
TRIP BLANK	CK80029	GROUND WATER



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 15, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: GROUND WATER
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/04/22
03/04/22

Time

9:45
17:02

Laboratory Data

SDG ID: GCK80027
Phoenix ID: CK80027

Project ID: 842 LEXINGTON AVE
Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.005	mg/L	1	03/05/22	CPP	SW6010D
Aluminum	137	0.20	0.10	mg/L	10	03/07/22	TH	SW6010D
Arsenic - LDL	0.034	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Barium	1.57	0.010	0.001	mg/L	1	03/05/22	CPP	SW6010D
Beryllium	0.008	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Calcium	93.9	0.010	0.003	mg/L	1	03/05/22	CPP	SW6010D
Cadmium	0.016	0.004	0.0005	mg/L	1	03/05/22	CPP	SW6010D
Cobalt	0.311	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Chromium	0.295	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Copper	0.568	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Aluminum (Dissolved)	0.036	0.011	0.0026	mg/L	1	03/05/22	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/05/22	CPP	SW6010D
Barium (Dissolved)	0.104	0.011	0.001	mg/L	1	03/05/22	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Calcium (Dissolved)	64.3	0.01	0.003	mg/L	1	03/05/22	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/05/22	CPP	SW6010D
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Copper, (Dissolved)	0.004	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	03/05/22	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/07/22	AP	SW7470A
Potassium (Dissolved)	2.9	0.1	0.1	mg/L	1	03/05/22	CPP	SW6010D
Magnesium (Dissolved)	23.6	0.01	0.01	mg/L	1	03/05/22	CPP	SW6010D
Manganese, (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Sodium (Dissolved)	352	11	1.1	mg/L	100	03/07/22	EK	SW6010D
Nickel, (Dissolved)	0.002	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/05/22	CPP	SW6010D

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	ND	0.0006	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Selenium (Dissolved)-LDL	ND	0.004	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Thallium (Dissolved)	ND	0.0005	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/07/22	EK	SW6010D
Zinc, (Dissolved)	ND	0.011	0.002	mg/L	1	03/05/22	CPP	SW6010D
Iron	356	0.10	0.10	mg/L	10	03/07/22	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	03/08/22	MGH	SW7470A
Potassium	27.3	1.0	0.10	mg/L	10	03/07/22	TH	SW6010D
Magnesium	82.6	0.10	0.10	mg/L	10	03/07/22	TH	SW6010D
Manganese	30.5	0.50	0.10	mg/L	100	03/07/22	TH	SW6010D
Sodium	226	1.0	0.10	mg/L	10	03/07/22	TH	SW6010D
Nickel	0.389	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Lead	0.188	0.002	0.001	mg/L	1	03/05/22	CPP	SW6010D
Antimony	ND	0.0030	0.0005	mg/L	5	03/09/22	MGH	SW6020B
Selenium	ND	0.01	0.0010	mg/L	10	03/10/22	CPP	SW6020B
Thallium	0.0022	0.0005	0.0005	mg/L	5	03/09/22	MGH	SW6020B
Vanadium	0.332	0.010	0.001	mg/L	1	03/05/22	CPP	SW6010D
Zinc	0.572	0.010	0.002	mg/L	1	03/05/22	CPP	SW6010D

Filtration	Completed					03/04/22	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/05/22	AB/AB	SW7470A
Mercury Digestion	Completed					03/05/22	AB/AB	SW7470A
PCB Extraction (LDL)	Completed					03/04/22	F/F	SW3510C
Extraction for Pest (LDL)	Completed					03/04/22	F/F	SW3510C
Semi-Volatile Extraction	Completed					03/07/22	J/DW	SW3520C
Dissolved Metals Preparation	Completed					03/04/22	AG	SW3005A
Dissolved Metals Preparation	Completed					03/04/22	AG	SW3005A
Total Metals Digestion	Completed					03/04/22	AG	
Total Metals Digestion MS	Completed					03/04/22	AG	

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
4,4' -DDE	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
4,4' -DDT	0.039	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
Alachlor	ND	0.077	0.077	ug/L	1	03/08/22	PS	SW8081B
Aldrin	0.006	0.002	0.002	ug/L	1	03/08/22	PS	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
Chlordane	ND	0.021	0.021	ug/L	1	03/08/22	PS	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
Dieldrin	0.011	0.002	0.002	ug/L	1	03/08/22	PS	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
Endrin	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
g-chlordane	ND	0.010	0.010	ug/L	1	03/08/22	PS	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	03/08/22	PS	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	03/08/22	PS	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	03/08/22	PS	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	37			%	1	03/08/22	PS	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	81			%	1	03/08/22	PS	30 - 150 %
%TCMX (Surrogate Rec)	Interference			%	1	03/08/22	PS	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	Interference			%	1	03/08/22	PS	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1221	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1232	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1242	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1248	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1254	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1260	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1262	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A
PCB-1268	ND	0.052	0.052	ug/L	1	03/07/22	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	1	03/07/22	SC	30 - 150 %
% DCBP (Confirmation)	71			%	1	03/07/22	SC	30 - 150 %
% TCMX	90			%	1	03/07/22	SC	30 - 150 %
% TCMX (Confirmation)	Interference			%	1	03/07/22	SC	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/09/22	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/09/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/09/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/09/22	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	03/09/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/09/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/09/22	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/09/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Chloroform	3.3	J 5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/09/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/09/22	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/09/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/09/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/09/22	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Tetrachloroethene	0.46	J 1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/09/22	MH	SW8260C
Toluene	3.4	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/09/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/09/22	MH	SW8260C
Trichloroethene	0.86	J 1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C

QA/QC Surrogates

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	99			%	1	03/09/22	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	03/09/22	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	03/09/22	MH	70 - 130 %
% Toluene-d8	98			%	1	03/09/22	MH	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/09/22	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/09/22	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/09/22	MH	SW8260C

1,4-dioxane

1,4-dioxane	ND	0.20	0.20	ug/l	1	03/10/22	AW	SW8270DSIM

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QA/OC Surrogates

% 1,4-dioxane-d8	70			%	1	03/10/22	AW	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	3.5	3.5	ug/L	1	03/10/22	PS	SW8270D
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	03/10/22	PS	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	03/10/22	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Aniline	ND	3.5	3.5	ug/L	1	03/10/22	PS	SW8270D

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	03/10/22	PS	SW8270D
Benzoic acid	ND	25	10	ug/L	1	03/10/22	PS	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Carbazole	ND	5.0	3.8	ug/L	1	03/10/22	PS	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
Hexachloroethane	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	03/10/22	PS	SW8270D
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	03/10/22	PS	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Pyrene	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
Pyridine	ND	10	1.2	ug/L	1	03/10/22	PS	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	78			%	1	03/10/22	PS	15 - 110 %
% 2-Fluorobiphenyl	75			%	1	03/10/22	PS	30 - 130 %
% 2-Fluorophenol	65			%	1	03/10/22	PS	15 - 110 %
% Nitrobenzene-d5	60			%	1	03/10/22	PS	30 - 130 %
% Phenol-d5	74			%	1	03/10/22	PS	15 - 110 %
% Terphenyl-d14	82			%	1	03/10/22	PS	30 - 130 %
<u>Semivolatiles</u>								
Acenaphthylene	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/09/22	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.11	0.11	ug/L	1	03/09/22	WB	SW8270D (SIM)
Pentachlorophenol	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
Phenanthrene	ND	0.53	0.53	ug/L	1	03/09/22	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2,4,6-Tribromophenol	86			%	1	03/09/22	WB	15 - 110 %
% 2-Fluorobiphenyl	73			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	88			%	1	03/09/22	WB	15 - 110 %
% Nitrobenzene-d5	87			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	86			%	1	03/09/22	WB	15 - 110 %
% Terphenyl-d14	98			%	1	03/09/22	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					03/09/22	G/G	

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, surrogate recoveries could not be reported.

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.

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 15, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 15, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: GROUND WATER
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/04/22
03/04/22

Time

10:10
17:02

Laboratory Data

SDG ID: GCK80027
Phoenix ID: CK80028

Project ID: 842 LEXINGTON AVE
Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.005	mg/L	1	03/05/22	CPP	SW6010D
Aluminum	110	0.20	0.10	mg/L	10	03/07/22	TH	SW6010D
Arsenic - LDL	0.027	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Barium	1.24	0.010	0.001	mg/L	1	03/05/22	CPP	SW6010D
Beryllium	0.006	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Calcium	84.5	0.010	0.003	mg/L	1	03/05/22	CPP	SW6010D
Cadmium	0.011	0.004	0.0005	mg/L	1	03/05/22	CPP	SW6010D
Cobalt	0.246	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Chromium	0.231	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Copper	0.438	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Aluminum (Dissolved)	0.024	0.011	0.0026	mg/L	1	03/05/22	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/05/22	CPP	SW6010D
Barium (Dissolved)	0.102	0.011	0.001	mg/L	1	03/05/22	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Calcium (Dissolved)	64.4	0.01	0.003	mg/L	1	03/05/22	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/05/22	CPP	SW6010D
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/05/22	CPP	SW6010D
Copper, (Dissolved)	0.002	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Iron, (Dissolved)	ND	0.01	0.01	mg/L	1	03/05/22	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/07/22	AP	SW7470A
Potassium (Dissolved)	2.9	0.1	0.1	mg/L	1	03/05/22	CPP	SW6010D
Magnesium (Dissolved)	23.3	0.01	0.01	mg/L	1	03/05/22	CPP	SW6010D
Manganese, (Dissolved)	ND	0.005	0.001	mg/L	1	03/05/22	CPP	SW6010D
Sodium (Dissolved)	261	11	1.1	mg/L	100	03/07/22	EK	SW6010D
Nickel, (Dissolved)	0.002	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/05/22	CPP	SW6010D

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	ND	0.0006	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Selenium (Dissolved)-LDL	ND	0.004	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Thallium (Dissolved)	ND	0.0005	0.0002	mg/L	2	03/10/22	MGH	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/07/22	EK	SW6010D
Zinc, (Dissolved)	0.002	0.011	0.002	mg/L	1	03/05/22	CPP	SW6010D
Iron	275	0.10	0.10	mg/L	10	03/07/22	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	03/08/22	MGH	SW7470A
Potassium	23.1	1.0	0.10	mg/L	10	03/07/22	TH	SW6010D
Magnesium	66.1	0.010	0.01	mg/L	1	03/05/22	CPP	SW6010D
Manganese	24.7	0.50	0.10	mg/L	100	03/07/22	TH	SW6010D
Sodium	222	1.0	0.10	mg/L	10	03/07/22	TH	SW6010D
Nickel	0.309	0.004	0.001	mg/L	1	03/05/22	CPP	SW6010D
Lead	0.146	0.002	0.001	mg/L	1	03/05/22	CPP	SW6010D
Antimony	ND	0.0030	0.0005	mg/L	5	03/09/22	MGH	SW6020B
Selenium	ND	0.01	0.0010	mg/L	10	03/10/22	CPP	SW6020B
Thallium	0.0018	0.0005	0.0005	mg/L	5	03/09/22	MGH	SW6020B
Vanadium	0.256	0.010	0.001	mg/L	1	03/05/22	CPP	SW6010D
Zinc	0.448	0.010	0.002	mg/L	1	03/05/22	CPP	SW6010D

Filtration	Completed					03/04/22	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/05/22	AB/AB	SW7470A
Mercury Digestion	Completed					03/05/22	AB/AB	SW7470A
PCB Extraction (LDL)	Completed					03/04/22	F/F	SW3510C
Extraction for Pest (LDL)	Completed					03/04/22	F/F	SW3510C
Semi-Volatile Extraction	Completed					03/07/22	J/DW	SW3520C
Dissolved Metals Preparation	Completed					03/04/22	AG	SW3005A
Dissolved Metals Preparation	Completed					03/04/22	AG	SW3005A
Total Metals Digestion	Completed					03/04/22	AG	
Total Metals Digestion MS	Completed					03/04/22	AG	

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
4,4' -DDE	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
4,4' -DDT	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
a-chlordane	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
Alachlor	ND	0.080	0.080	ug/L	1	03/08/22	AW	SW8081B
Aldrin	ND	0.002	0.002	ug/L	1	03/08/22	AW	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
Chlordane	ND	0.021	0.021	ug/L	1	03/08/22	AW	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
Dieldrin	ND	0.002	0.002	ug/L	1	03/08/22	AW	SW8081B
Endosulfan I	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
Endosulfan II	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
Endosulfan Sulfate	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
Endrin	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
Endrin Aldehyde	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
Endrin ketone	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
g-chlordane	ND	0.011	0.011	ug/L	1	03/08/22	AW	SW8081B

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	03/08/22	AW	SW8081B
Methoxychlor	ND	0.11	0.11	ug/L	1	03/08/22	AW	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	03/08/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	45			%	1	03/08/22	AW	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	94			%	1	03/08/22	AW	30 - 150 %
%TCMX (Surrogate Rec)	92			%	1	03/08/22	AW	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	Interference			%	1	03/08/22	AW	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1221	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1232	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1242	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1248	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1254	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1260	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1262	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A
PCB-1268	ND	0.053	0.053	ug/L	1	03/08/22	SC	SW8082A

QA/QC Surrogates

% DCBP	66			%	1	03/08/22	SC	30 - 150 %
% DCBP (Confirmation)	74			%	1	03/08/22	SC	30 - 150 %
% TCMX	83			%	1	03/08/22	SC	30 - 150 %
% TCMX (Confirmation)	Interference			%	1	03/08/22	SC	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/05/22	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/05/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/05/22	MH	SW8260C

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/05/22	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	03/05/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/05/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/05/22	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/05/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Chloroform	3.9	J 5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/05/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/05/22	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/05/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/05/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/05/22	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Tetrachloroethene	0.40	J 1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/05/22	MH	SW8260C
Toluene	3.3	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/05/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/05/22	MH	SW8260C
Trichloroethene	0.78	J 1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C

QA/QC Surrogates

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	99			%	1	03/05/22	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	03/05/22	MH	70 - 130 %
% Dibromofluoromethane	107			%	1	03/05/22	MH	70 - 130 %
% Toluene-d8	105			%	1	03/05/22	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	03/05/22	MH	SW8260C

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/05/22	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/05/22	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/05/22	MH	SW8260C

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	3.5	3.5	ug/L	1	03/10/22	PS	SW8270D
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
2-Nitroaniline	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	03/10/22	PS	SW8270D
3-Nitroaniline	ND	5.0	2.0	ug/L	1	03/10/22	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	03/10/22	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Aniline	ND	3.5	3.5	ug/L	1	03/10/22	PS	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	03/10/22	PS	SW8270D

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzoic acid	ND	25	10	ug/L	1	03/10/22	PS	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Carbazole	ND	5.0	3.8	ug/L	1	03/10/22	PS	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	03/10/22	PS	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	03/10/22	PS	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
Hexachloroethane	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	03/10/22	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	03/10/22	PS	SW8270D
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	03/10/22	PS	SW8270D
Pentachloronitrobenzene	ND	2.5	2.5	ug/L	1	03/10/22	PS	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	03/10/22	PS	SW8270D
Pyrene	ND	5.0	1.7	ug/L	1	03/10/22	PS	SW8270D
Pyridine	ND	10	1.2	ug/L	1	03/10/22	PS	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	72			%	1	03/10/22	PS	15 - 110 %
% 2-Fluorobiphenyl	70			%	1	03/10/22	PS	30 - 130 %
% 2-Fluorophenol	61			%	1	03/10/22	PS	15 - 110 %
% Nitrobenzene-d5	56			%	1	03/10/22	PS	30 - 130 %
% Phenol-d5	57			%	1	03/10/22	PS	15 - 110 %
% Terphenyl-d14	83			%	1	03/10/22	PS	30 - 130 %
<u>Semivolatiles</u>								
Acenaphthylene	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/09/22	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	03/09/22	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/09/22	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.11	0.11	ug/L	1	03/09/22	WB	SW8270D (SIM)
Pentachlorophenol	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
Phenanthrene	ND	0.54	0.54	ug/L	1	03/09/22	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	85			%	1	03/09/22	WB	15 - 110 %
% 2-Fluorobiphenyl	72			%	1	03/09/22	WB	30 - 130 %

Client ID: DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	84			%	1	03/09/22	WB	15 - 110 %
% Nitrobenzene-d5	82			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	69			%	1	03/09/22	WB	15 - 110 %
% Terphenyl-d14	96			%	1	03/09/22	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.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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.

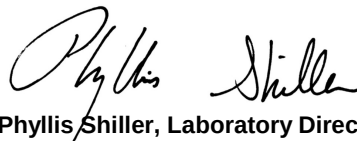
Volatile Comment:

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.

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.

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 15, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 15, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: GROUND WATER
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/04/22

Time

17:02

Laboratory Data

SDG ID: GCK80027
Phoenix ID: CK80029

Project ID: 842 LEXINGTON AVE
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/04/22	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	03/04/22	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/04/22	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/04/22	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	03/04/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/04/22	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	03/04/22	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/04/22	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/04/22	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	03/04/22	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	03/04/22	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/04/22	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	03/04/22	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	03/04/22	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/04/22	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	03/04/22	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	03/04/22	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	03/04/22	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	03/04/22	MH	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	105			%	1	03/04/22	MH	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	50	ug/l	1	03/04/22	MH	SW8260C

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/04/22	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/04/22	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/04/22	MH	SW8260C

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

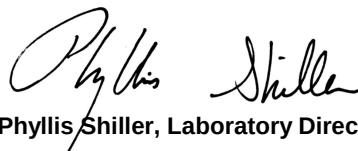
Comments:

TRIP BLANK INCLUDED.

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.

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 15, 2022

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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QA/QC Report

March 15, 2022

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 614604 (mg/L), QC Sample No: CK78869 (CK80027, CK80028)													
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	112			115			75 - 125	20
QA/QC Batch 614600 (mg/L), QC Sample No: CK79644 (CK80027, CK80028)													
Mercury - Water	BRL	0.0002	<0.0002	0.0006	NC	90.1			102			75 - 125	20
QA/QC Batch 614536 (mg/L), QC Sample No: CK78698 (CK80027, CK80028)													
<u>ICP Metals - Aqueous</u>													
Aluminum	BRL	0.020	0.232	0.235	1.30	94.9	96.2	1.4	104			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	100	103	3.0	106			80 - 120	20
Barium	BRL	0.002	0.032	0.031	3.20	95.0	96.4	1.5	98.8			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	101	102	1.0	105			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	96.8	98.1	1.3	102			80 - 120	20
Calcium	BRL	0.010	16.9	16.6	1.80	100	102	2.0	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	96.4	99.3	3.0	101			80 - 120	20
Cobalt	BRL	0.002	<0.002	<0.002	NC	94.6	96.3	1.8	98.8			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	97.7	99.5	1.8	103			80 - 120	20
Iron	BRL	0.010	0.451	0.440	2.50	95.3	96.8	1.6	99.1			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	93.7	96.6	3.0	98.4			80 - 120	20
Magnesium	BRL	0.010	3.77	3.70	1.90	95.6	97.5	2.0	92.2			80 - 120	20
Manganese	BRL	0.001	0.061	0.056	8.50	96.6	98.0	1.4	100			80 - 120	20
Nickel	BRL	0.001	0.002	0.001	NC	95.0	97.3	2.4	99.6			80 - 120	20
Potassium	BRL	0.1	1.3	1.3	0	101	103	2.0	98.8			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	94.3	95.8	1.6	98.6			70 - 130	30
Sodium	BRL	0.10	38.8	37.7	2.90	109	110	0.9	NC			80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	97.8	98.7	0.9	102			80 - 120	20
Zinc	BRL	0.004	0.008	0.006	NC	95.9	97.5	1.7	101			80 - 120	20
QA/QC Batch 614591 (mg/L), QC Sample No: CK79948 (CK80027, CK80028)													
<u>ICP Metals - Dissolved</u>													
Aluminum	BRL	0.011	0.084	0.081	3.60	86.8	89.5	3.1	89.3			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	88.3	92.0	4.1	92.1			80 - 120	20
Barium	BRL	0.002	0.013	0.013	0	91.7	92.2	0.5	91.7			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	92.5	95.8	3.5	95.2			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	90.2	92.7	2.7	91.9			80 - 120	20
Calcium	BRL	0.01	34.2	33.7	1.50	93.8	96.5	2.8	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	90.3	93.9	3.9	92.5			80 - 120	20
Cobalt	BRL	0.001	<0.001	<0.001	NC	88.0	90.7	3.0	91.2			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	88.9	91.6	3.0	92.9			80 - 120	20
Iron	BRL	0.011	<0.011	<0.011	NC	88.4	91.5	3.4	90.7			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	89.0	92.1	3.4	92.2			80 - 120	20
Magnesium	BRL	0.01	7.60	7.47	1.70	90.4	94.1	4.0	NC			80 - 120	20
Manganese	BRL	0.001	0.027	0.027	0	89.9	92.9	3.3	92.3			80 - 120	20
Nickel	BRL	0.001	0.001	0.002	NC	88.1	91.8	4.1	91.1			80 - 120	20
Potassium	BRL	0.1	4.0	4.0	0	83.1	85.7	3.1	89.9			80 - 120	20

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Silver	BRL	0.001	0.002	<0.001	NC	88.4	91.2	3.1	90.2			70 - 130	30
Sodium	BRL	0.11	92.1	92.8	0.80	97.6	100	2.4	NC			80 - 120	20
Vanadium	BRL	0.002	0.003	0.004	NC	94.0	95.4	1.5	95.0			80 - 120	20
Zinc	BRL	0.002	<0.002	<0.002	NC	87.5	90.5	3.4	91.1			80 - 120	20

QA/QC Batch 614518 (mg/L), QC Sample No: CK77066 5X (CK80027, CK80028)

ICP MS Metals - Aqueous

Antimony	BRL	0.0030	0.0175	0.0175	0	103	101	2.0	101			80 - 120	20
Selenium	BRL	0.010	0.025	0.026	3.90	109	107	1.9	109			80 - 120	20
Thallium	BRL	0.0005	<0.0005	<0.0005	NC	95.2	95.4	0.2	94.8			80 - 120	20

QA/QC Batch 614590 (mg/L), QC Sample No: CK80027 2X (CK80027, CK80028)

ICP Metals MS - Dissolved

Antimony	BRL J	0.0006	<0.0006	<0.0006	NC	93.9	94.5	0.6	93.6			80 - 120	20
Selenium	BRL	0.004	<0.004	<0.004	NC	102	97.8	4.2	85.5			80 - 120	20
Thallium	BRL	0.0006	<0.0005	<0.0006	NC	86.9	89.3	2.7	84.3			80 - 120	20



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QA/QC Report

March 15, 2022

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

QA/QC Batch 614937 (ug/l), QC Sample No: CK79633 (CK80027)

1,4dioxane - Ground Water

1,4-dioxane	ND	0.20	84	87	3.5	78			70 - 130	20
% 1,4-dioxane-d8	74	%	76	76	0.0	71			70 - 130	20

QA/QC Batch 614508 (ug/L), QC Sample No: CK78759 (CK80027, CK80028)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	0.050	60	80	28.6				40 - 140	20	r
PCB-1221	ND	0.050							40 - 140	20	
PCB-1232	ND	0.050							40 - 140	20	
PCB-1242	ND	0.050							40 - 140	20	
PCB-1248	ND	0.050							40 - 140	20	
PCB-1254	ND	0.050							40 - 140	20	
PCB-1260	ND	0.050	68	87	24.5				40 - 140	20	r
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	72	%	72	89	21.1				30 - 150	20	r
% DCBP (Surrogate Rec) (Confirm	61	%	63	78	21.3				30 - 150	20	r
% TCMX (Surrogate Rec)	54	%	66	86	26.3				30 - 150	20	r
% TCMX (Surrogate Rec) (Confirm	54	%	65	89	31.2				30 - 150	20	r

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 614509 (ug/L), QC Sample No: CK78759 (CK80027, CK80028)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	88	84	4.7				40 - 140	20	
4,4' -DDE	ND	0.003	74	73	1.4				40 - 140	20	
4,4' -DDT	ND	0.003	59	51	14.5				40 - 140	20	
a-BHC	ND	0.002	74	68	8.5				40 - 140	20	
a-Chlordane	ND	0.005	79	70	12.1				40 - 140	20	
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20	
Aldrin	ND	0.002	61	57	6.8				40 - 140	20	
b-BHC	ND	0.002	77	74	4.0				40 - 140	20	
Chlordane	ND	0.050	68	61	10.9				40 - 140	20	
d-BHC	ND	0.005	38	48	23.3				40 - 140	20	l,r
Dieldrin	ND	0.002	76	70	8.2				40 - 140	20	
Endosulfan I	ND	0.005	78	75	3.9				40 - 140	20	
Endosulfan II	ND	0.005	96	100	4.1				40 - 140	20	
Endosulfan sulfate	ND	0.005	58	51	12.8				40 - 140	20	
Endrin	ND	0.005	108	114	5.4				40 - 140	20	
Endrin aldehyde	ND	0.005	68	74	8.5				40 - 140	20	
Endrin ketone	ND	0.005	53	49	7.8				40 - 140	20	
g-BHC	ND	0.002	86	73	16.4				40 - 140	20	
g-Chlordane	ND	0.005	68	61	10.9				40 - 140	20	

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Heptachlor	ND	0.005	72	67	7.2				40 - 140	20
Heptachlor epoxide	ND	0.005	91	82	10.4				40 - 140	20
Methoxychlor	ND	0.005	65	79	19.4				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	55	%	63	58	8.3				30 - 150	20
% DCBP (Confirmation)	97	%	123	112	9.4				30 - 150	20
% TCMX	58	%	77	70	9.5				30 - 150	20
% TCMX (Confirmation)	66	%	82	76	7.6				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 614749 (ug/L), QC Sample No: CK79014 (CK80027, CK80028)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	3.5	74	77	4.0				30 - 130	20	
1,2,4-Trichlorobenzene	ND	3.5	74	75	1.3				30 - 130	20	
1,2-Dichlorobenzene	ND	1.0	71	70	1.4				30 - 130	20	
1,2-Diphenylhydrazine	ND	1.6	71	77	8.1				30 - 130	20	
1,3-Dichlorobenzene	ND	1.0	70	68	2.9				30 - 130	20	
1,4-Dichlorobenzene	ND	1.0	71	69	2.9				30 - 130	20	
2,2'-Oxybis(1-Chloropropane)	ND	1.0	63	65	3.1				30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	83	91	9.2				30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	85	92	7.9				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	80	84	4.9				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	78	82	5.0				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	69	81	16.0				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	76	94	21.2				30 - 130	20	r
2,6-Dinitrotoluene	ND	3.5	72	88	20.0				30 - 130	20	
2-Chloronaphthalene	ND	3.5	78	83	6.2				30 - 130	20	
2-Chlorophenol	ND	1.0	75	75	0.0				30 - 130	20	
2-Methylnaphthalene	ND	3.5	77	81	5.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	73	77	5.3				30 - 130	20	
2-Nitroaniline	ND	3.5	127	143	11.9				30 - 130	20	i
2-Nitrophenol	ND	1.0	66	76	14.1				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	77	82	6.3				30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	57	61	6.8				30 - 130	20	
3-Nitroaniline	ND	5.0	97	111	13.5				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	69	81	16.0				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	79	86	8.5				30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	84	91	8.0				30 - 130	20	
4-Chloroaniline	ND	3.5	82	84	2.4				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	80	87	8.4				30 - 130	20	
4-Nitroaniline	ND	5.0	73	86	16.4				30 - 130	20	
4-Nitrophenol	ND	1.0	78	92	16.5				30 - 130	20	
Acenaphthene	ND	1.5	79	85	7.3				30 - 130	20	
Acetophenone	ND	3.5	73	78	6.6				30 - 130	20	
Aniline	ND	3.5	75	80	6.5				30 - 130	20	
Anthracene	ND	1.5	78	85	8.6				30 - 130	20	
Benzidine	ND	4.5	137	133	3.0				30 - 130	20	i
Benzoic acid	ND	10	35	48	31.3				30 - 130	20	r
Benzyl butyl phthalate	ND	1.5	85	99	15.2				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	77	81	5.1				30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	67	69	2.9				30 - 130	20	

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bis(2-ethylhexyl)phthalate	ND	1.5	85	98	14.2				30 - 130	20
Carbazole	ND	5.0	84	91	8.0				30 - 130	20
Dibenzofuran	ND	3.5	80	86	7.2				30 - 130	20
Diethyl phthalate	ND	1.5	85	93	9.0				30 - 130	20
Dimethylphthalate	ND	1.5	83	91	9.2				30 - 130	20
Di-n-butylphthalate	ND	1.5	86	96	11.0				30 - 130	20
Di-n-octylphthalate	ND	1.5	83	98	16.6				30 - 130	20
Fluoranthene	ND	1.5	83	90	8.1				30 - 130	20
Fluorene	ND	1.5	80	86	7.2				30 - 130	20
Hexachloroethane	ND	3.5	71	71	0.0				30 - 130	20
Isophorone	ND	3.5	71	76	6.8				30 - 130	20
Naphthalene	ND	1.5	74	75	1.3				30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.5	73	78	6.6				30 - 130	20
N-Nitrosodiphenylamine	ND	3.5	76	83	8.8				30 - 130	20
Pentachloronitrobenzene	ND	5.0	72	85	16.6				30 - 130	20
Phenol	ND	1.0	69	70	1.4				30 - 130	20
Pyrene	ND	1.5	84	92	9.1				30 - 130	20
Pyridine	ND	5.0	53	44	18.6				30 - 130	20
% 2,4,6-Tribromophenol	72	%	76	87	13.5				15 - 110	20
% 2-Fluorobiphenyl	74	%	74	80	7.8				30 - 130	20
% 2-Fluorophenol	60	%	62	59	5.0				15 - 110	20
% Nitrobenzene-d5	51	%	61	69	12.3				30 - 130	20
% Phenol-d5	67	%	67	68	1.5				15 - 110	20
% Terphenyl-d14	85	%	84	93	10.2				30 - 130	20

Comment:

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 614749 (ug/L), QC Sample No: CK79014 (CK80027, CK80028)

Semivolatiles (SIM) - Ground Water

Acenaphthylene	ND	0.50	91	97	6.4				30 - 130	20	
Benz(a)anthracene	ND	0.50	130	148	12.9				30 - 130	20	I
Benzo(a)pyrene	ND	0.50	96	108	11.8				30 - 130	20	
Benzo(b)fluoranthene	ND	0.50	121	135	10.9				30 - 130	20	I
Benzo(ghi)perylene	ND	0.50	115	125	8.3				30 - 130	20	
Benzo(k)fluoranthene	ND	0.50	147	160	8.5				30 - 130	20	I
Chrysene	ND	0.50	96	107	10.8				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.50	110	119	7.9				30 - 130	20	
Hexachlorobenzene	ND	0.50	92	103	11.3				30 - 130	20	
Hexachlorobutadiene	ND	0.50	84	85	1.2				30 - 130	20	
Hexachlorocyclopentadiene	ND	0.50	38	42	10.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.50	116	126	8.3				30 - 130	20	
Nitrobenzene	ND	0.50	99	103	4.0				30 - 130	20	
N-Nitrosodimethylamine	ND	0.05	91	92	1.1				30 - 130	20	
Pentachlorophenol	ND	0.50	77	106	31.7				30 - 130	20	r
Phenanthrene	ND	0.50	93	102	9.2				30 - 130	20	
% 2,4,6-Tribromophenol	73	%	105	119	12.5				15 - 110	20	I
% 2-Fluorobiphenyl	71	%	88	94	6.6				30 - 130	20	
% 2-Fluorophenol	64	%	88	88	0.0				15 - 110	20	
% Nitrobenzene-d5	75	%	103	111	7.5				30 - 130	20	
% Phenol-d5	76	%	95	101	6.1				15 - 110	20	
% Terphenyl-d14	92	%	118	134	12.7				30 - 130	20	I

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 614674 (ug/L), QC Sample No: CK79654 (CK80028, CK80029)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	88	96	8.7				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	92	96	4.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	96	105	9.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	87	96	9.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	110	117	6.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	106	115	8.1				70 - 130	30
1,1-Dichloropropene	ND	1.0	92	100	8.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	87	102	15.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	93	102	9.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	95	106	10.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	100	105	4.9				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	90	103	13.5				70 - 130	30
1,2-Dibromoethane	ND	1.0	91	97	6.4				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	96	102	6.1				70 - 130	30
1,2-Dichloroethane	ND	1.0	90	98	8.5				70 - 130	30
1,2-Dichloropropane	ND	1.0	95	104	9.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	103	107	3.8				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	96	102	6.1				70 - 130	30
1,3-Dichloropropane	ND	1.0	95	105	10.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	94	100	6.2				70 - 130	30
1,4-dioxane	ND	100	116	116	0.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	96	102	6.1				70 - 130	30
2-Chlorotoluene	ND	1.0	101	107	5.8				70 - 130	30
2-Hexanone	ND	5.0	88	98	10.8				70 - 130	30
2-Isopropyltoluene	ND	1.0	101	106	4.8				70 - 130	30
4-Chlorotoluene	ND	1.0	102	107	4.8				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	110	10.5				70 - 130	30
Acetone	ND	5.0	85	95	11.1				70 - 130	30
Acrolein	ND	5.0	107	120	11.5				70 - 130	30
Acrylonitrile	ND	5.0	108	114	5.4				70 - 130	30
Benzene	ND	0.70	96	103	7.0				70 - 130	30
Bromobenzene	ND	1.0	97	102	5.0				70 - 130	30
Bromochloromethane	ND	1.0	102	109	6.6				70 - 130	30
Bromodichloromethane	ND	0.50	89	98	9.6				70 - 130	30
Bromoform	ND	1.0	85	92	7.9				70 - 130	30
Bromomethane	ND	1.0	90	100	10.5				70 - 130	30
Carbon Disulfide	ND	1.0	105	110	4.7				70 - 130	30
Carbon tetrachloride	ND	1.0	92	96	4.3				70 - 130	30
Chlorobenzene	ND	1.0	98	104	5.9				70 - 130	30
Chloroethane	ND	1.0	118	125	5.8				70 - 130	30
Chloroform	ND	1.0	98	108	9.7				70 - 130	30
Chloromethane	ND	1.0	109	114	4.5				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	109	115	5.4				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	90	98	8.5				70 - 130	30
Dibromochloromethane	ND	0.50	89	97	8.6				70 - 130	30
Dibromomethane	ND	1.0	89	98	9.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	106	110	3.7				70 - 130	30
Ethylbenzene	ND	1.0	102	108	5.7				70 - 130	30
Hexachlorobutadiene	ND	0.40	95	99	4.1				70 - 130	30
Isopropylbenzene	ND	1.0	105	109	3.7				70 - 130	30

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
m&p-Xylene	ND	1.0	102	108	5.7				70 - 130	30
Methyl ethyl ketone	ND	5.0	79	92	15.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	101	10.4				70 - 130	30
Methylene chloride	ND	1.0	83	90	8.1				70 - 130	30
Naphthalene	ND	1.0	95	110	14.6				70 - 130	30
n-Butylbenzene	ND	1.0	112	117	4.4				70 - 130	30
n-Propylbenzene	ND	1.0	107	113	5.5				70 - 130	30
o-Xylene	ND	1.0	97	104	7.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	104	109	4.7				70 - 130	30
sec-Butylbenzene	ND	1.0	107	111	3.7				70 - 130	30
Styrene	ND	1.0	101	107	5.8				70 - 130	30
tert-butyl alcohol	ND	10	107	104	2.8				70 - 130	30
tert-Butylbenzene	ND	1.0	103	107	3.8				70 - 130	30
Tetrachloroethene	ND	1.0	89	96	7.6				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	95	106	10.9				70 - 130	30
Toluene	ND	1.0	95	102	7.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	108	115	6.3				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	87	96	9.8				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	86	98	13.0				70 - 130	30
Trichloroethene	ND	1.0	94	101	7.2				70 - 130	30
Trichlorofluoromethane	ND	1.0	101	107	5.8				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	90	96	6.5				70 - 130	30
Vinyl chloride	ND	1.0	115	122	5.9				70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	98	100	2.0				70 - 130	30
% Bromofluorobenzene	98	%	100	100	0.0				70 - 130	30
% Dibromofluoromethane	107	%	100	93	7.3				70 - 130	30
% Toluene-d8	104	%	103	103	0.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 615123 (ug/L), QC Sample No: CK80027 (CK80027)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	107	111	3.7				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	106	109	2.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	105	103	1.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	100	102	2.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	103	107	3.8				70 - 130	30
1,1-Dichloroethene	ND	1.0	99	106	6.8				70 - 130	30
1,1-Dichloropropene	ND	1.0	101	108	6.7				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	108	104	3.8				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	101	98	3.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	107	106	0.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	108	2.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	105	108	2.8				70 - 130	30
1,2-Dibromoethane	ND	1.0	106	110	3.7				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	102	106	3.8				70 - 130	30
1,2-Dichloroethane	ND	1.0	99	103	4.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	102	105	2.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	106	109	2.8				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	101	104	2.9				70 - 130	30
1,3-Dichloropropane	ND	1.0	104	106	1.9				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	100	104	3.9				70 - 130	30
2,2-Dichloropropane	ND	1.0	101	110	8.5				70 - 130	30

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Chlorotoluene	ND	1.0	105	108	2.8				70 - 130	30
2-Hexanone	ND	5.0	100	95	5.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	104	107	2.8				70 - 130	30
4-Chlorotoluene	ND	1.0	104	107	2.8				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	101	98	3.0				70 - 130	30
Acetone	ND	5.0	102	92	10.3				70 - 130	30
Acrolein	ND	5.0	98	97	1.0				70 - 130	30
Acrylonitrile	ND	5.0	97	94	3.1				70 - 130	30
Benzene	ND	0.70	101	106	4.8				70 - 130	30
Bromobenzene	ND	1.0	105	107	1.9				70 - 130	30
Bromochloromethane	ND	1.0	103	104	1.0				70 - 130	30
Bromodichloromethane	ND	0.50	104	110	5.6				70 - 130	30
Bromoform	ND	1.0	107	107	0.0				70 - 130	30
Bromomethane	ND	1.0	104	108	3.8				70 - 130	30
Carbon Disulfide	ND	1.0	96	104	8.0				70 - 130	30
Carbon tetrachloride	ND	1.0	108	111	2.7				70 - 130	30
Chlorobenzene	ND	1.0	103	106	2.9				70 - 130	30
Chloroethane	ND	1.0	93	98	5.2				70 - 130	30
Chloroform	ND	1.0	103	106	2.9				70 - 130	30
Chloromethane	ND	1.0	106	111	4.6				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	104	105	1.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	104	108	3.8				70 - 130	30
Dibromochloromethane	ND	0.50	106	108	1.9				70 - 130	30
Dibromomethane	ND	1.0	101	104	2.9				70 - 130	30
Dichlorodifluoromethane	ND	1.0	120	129	7.2				70 - 130	30
Ethylbenzene	ND	1.0	103	108	4.7				70 - 130	30
Hexachlorobutadiene	ND	0.40	104	104	0.0				70 - 130	30
Isopropylbenzene	ND	1.0	106	109	2.8				70 - 130	30
m&p-Xylene	ND	1.0	103	108	4.7				70 - 130	30
Methyl ethyl ketone	ND	5.0	100	95	5.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	102	104	1.9				70 - 130	30
Methylene chloride	ND	1.0	88	92	4.4				70 - 130	30
Naphthalene	ND	1.0	111	107	3.7				70 - 130	30
n-Butylbenzene	ND	1.0	108	109	0.9				70 - 130	30
n-Propylbenzene	ND	1.0	106	109	2.8				70 - 130	30
o-Xylene	ND	1.0	102	106	3.8				70 - 130	30
p-Isopropyltoluene	ND	1.0	107	108	0.9				70 - 130	30
sec-Butylbenzene	ND	1.0	106	107	0.9				70 - 130	30
Styrene	ND	1.0	106	109	2.8				70 - 130	30
tert-butyl alcohol	ND	10	122	109	11.3				70 - 130	30
tert-Butylbenzene	ND	1.0	108	109	0.9				70 - 130	30
Tetrachloroethene	ND	1.0	101	106	4.8				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	98	94	4.2				70 - 130	30
Toluene	ND	1.0	103	107	3.8				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	100	107	6.8				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	101	104	2.9				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	107	106	0.9				70 - 130	30
Trichloroethene	ND	1.0	100	105	4.9				70 - 130	30
Trichlorofluoromethane	ND	1.0	106	115	8.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	94	101	7.2				70 - 130	30
Vinyl chloride	ND	1.0	114	118	3.4				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0				70 - 130	30
% Bromofluorobenzene	98	%	100	100	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GCK80027

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% Dibromofluoromethane	101	%	103	99	4.0				70 - 130	30
% Toluene-d8	98	%	100	99	1.0				70 - 130	30

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
March 15, 2022

Tuesday, March 15, 2022

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCK80027 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK80027	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK80027	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK80027	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK80027	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80027	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80027	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.011	0.002	0.01	0.01	ug/L
CK80027	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.039	0.005	0.01	0.01	ug/L
CK80027	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.011	0.002	0.004	0.004	ug/L
CK80027	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CK80027	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	137	0.20	0.1	0.1	mg/L
CK80027	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.034	0.004	0.025	0.025	mg/L
CK80027	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	1.57	0.010	1	1	mg/L
CK80027	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.008	0.001	0.003	0.003	mg/L
CK80027	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.016	0.004	0.005	0.005	mg/L
CK80027	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.295	0.001	0.05	0.05	mg/L
CK80027	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.568	0.005	0.2	0.2	mg/L
CK80027	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	352	11	20	20	mg/L
CK80027	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	356	0.10	0.3	0.3	mg/L
CK80027	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	82.6	0.10	35	35	mg/L
CK80027	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	30.5	0.50	0.3	0.3	mg/L
CK80027	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	226	1.0	20	20	mg/L
CK80027	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.389	0.004	0.1	0.1	mg/L
CK80027	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.188	0.002	0.025	0.025	mg/L
CK80027	TL-WM-MS	Thallium	NY / TOGS - Water Quality / GA Criteria	0.0022	0.0005	0.0005	0.0005	mg/L
CK80028	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK80028	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CK80028	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK80028	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Tuesday, March 15, 2022

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCK80027 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK80028	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80028	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CK80028	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CK80028	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	110	0.20	0.1	0.1	mg/L
CK80028	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.027	0.004	0.025	0.025	mg/L
CK80028	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	1.24	0.010	1	1	mg/L
CK80028	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.003	0.003	mg/L
CK80028	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.011	0.004	0.005	0.005	mg/L
CK80028	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.231	0.001	0.05	0.05	mg/L
CK80028	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.438	0.005	0.2	0.2	mg/L
CK80028	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	261	11	20	20	mg/L
CK80028	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	275	0.10	0.3	0.3	mg/L
CK80028	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	66.1	0.010	35	35	mg/L
CK80028	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	24.7	0.50	0.3	0.3	mg/L
CK80028	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	222	1.0	20	20	mg/L
CK80028	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.309	0.004	0.1	0.1	mg/L
CK80028	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.146	0.002	0.025	0.025	mg/L
CK80028	TL-WM-MS	Thallium	NY / TOGS - Water Quality / GA Criteria	0.0018	0.0005	0.0005	0.0005	mg/L
CK80029	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CK80029	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CK80029	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L

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.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 15, 2022

SDG I.D.: GCK80027

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Wednesday, March 09, 2022

Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Project ID: 842 LEXINGTON AVE
SDG ID: GCK80038
Sample ID#s: CK80038 - CK80045

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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Sample Id Cross Reference

March 09, 2022

SDG I.D.: GCK80038

Project ID: 842 LEXINGTON AVE

Client Id	Lab Id	Matrix
SV4	CK80038	AIR
SS2	CK80039	AIR
SS3	CK80040	AIR
SV3	CK80041	AIR
SS4	CK80042	AIR
SV2	CK80043	AIR
SV1	CK80044	AIR
SV5	CK80045	AIR



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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 19924

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date

03/04/22 10:55
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80038

Project ID: 842 LEXINGTON AVE
Client ID: SV4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>								
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1	
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1	
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1	
1,2,4-Trimethylbenzene	0.295	0.204	1.45	1.00	03/07/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1	
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1	
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1	
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1	
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1	
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.274	0.244	1.12	1.00	03/07/22	KCA	1	
Acetone	48.9	E 0.421	116	1.00	03/07/22	KCA	1	
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1	
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1	
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1	

Client ID: SV4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	1.50	0.321	4.67	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.039	0.032	0.25	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.485	0.202	2.40	1.00	03/07/22	KCA	1
Ethanol	32.7	0.531	61.6	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	0.477	0.230	2.07	1.00	03/07/22	KCA	1
Heptane	0.422	0.244	1.73	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	4.85	0.284	17.1	1.00	03/07/22	KCA	1
Isopropylalcohol	19.4	0.407	47.7	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	1.76	0.230	7.64	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	1.44	0.339	4.24	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	0.415	0.230	1.80	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	1.28	0.037	8.68	0.25	03/07/22	KCA	1
Tetrahydrofuran	4.96	0.339	14.6	1.00	03/07/22	KCA	1 1
Toluene	9.70	0.266	36.5	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	ND	0.037	ND	0.20	03/07/22	KCA	1
Trichlorofluoromethane	3.25	0.178	18.2	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene	103	%	103	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	104	%	104	%	03/07/22	KCA	1
% IS-Bromochloromethane	103	%	103	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	116	%	116	%	03/07/22	KCA	1

Client ID: SV4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 19628

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date Time
03/04/22 11:08
03/04/22 17:02

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80039

Project ID: 842 LEXINGTON AVE
Client ID: SS2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	0.176	0.166	1.06	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	1.53	0.421	3.63	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SS2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	0.256	0.149	1.71	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.142	0.032	0.89	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	1.92	0.205	9.37	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	1.39	0.051	5.51	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.525	0.202	2.59	1.00	03/07/22	KCA	1
Ethanol	6.26	0.531	11.8	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	03/07/22	KCA	1
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	ND	0.284	ND	1.00	03/07/22	KCA	1
Isopropylalcohol	0.651	0.407	1.60	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	0.501	0.230	2.17	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	5.15	0.037	34.9	0.25	03/07/22	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	03/07/22	KCA	1 1
Toluene	8.32	0.266	31.3	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	34.0	0.037	183	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.258	0.178	1.45	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene	100	%	100	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	105	%	105	%	03/07/22	KCA	1
% IS-Bromochloromethane	104	%	104	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	111	%	111	%	03/07/22	KCA	1

Client ID: SS2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

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Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 23329

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date

03/04/22 11:05
03/04/22 17:02

Time

Project ID: 842 LEXINGTON AVE
Client ID: SS3

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80040

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	0.204	0.204	1.00	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	0.285	0.166	1.71	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	13.5	0.421	32.0	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SS3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.163	0.032	1.02	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.485	0.202	2.40	1.00	03/07/22	KCA	1
Ethanol	12.7	0.531	23.9	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	0.282	0.230	1.22	1.00	03/07/22	KCA	1
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	ND	0.284	ND	1.00	03/07/22	KCA	1
Isopropylalcohol	9.33	0.407	22.9	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	1.00	0.230	4.34	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	0.386	0.339	1.14	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	0.309	0.230	1.34	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	2.84	0.037	19.3	0.25	03/07/22	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	03/07/22	KCA	1 1
Toluene	13.1	0.266	49.3	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	6.97	0.037	37.4	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.237	0.178	1.33	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	102	%	102	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	106	%	106	%	03/07/22	KCA	1
% IS-Bromochloromethane	105	%	105	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	111	%	111	%	03/07/22	KCA	1

Client ID: SS3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

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Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 21323

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date

03/04/22 10:50
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80041

Project ID: 842 LEXINGTON AVE
Client ID: SV3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	0.366	0.204	1.80	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	7.74	0.421	18.4	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SV3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.036	0.032	0.23	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.463	0.202	2.29	1.00	03/07/22	KCA	1
Ethanol	11.4	0.531	21.5	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	0.338	0.230	1.47	1.00	03/07/22	KCA	1
Heptane	0.388	0.244	1.59	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	3.43	0.284	12.1	1.00	03/07/22	KCA	1
Isopropylalcohol	2.31	0.407	5.67	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	1.76	0.230	7.64	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	0.729	0.339	2.15	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	1.27	0.863	4.41	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	0.431	0.230	1.87	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	0.297	0.037	2.01	0.25	03/07/22	KCA	1
Tetrahydrofuran	3.07	0.339	9.05	1.00	03/07/22	KCA	1 1
Toluene	7.62	0.266	28.7	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	0.059	0.037	0.32	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.291	0.178	1.63	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene	101	%	101	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	109	%	109	%	03/07/22	KCA	1
% IS-Bromochloromethane	109	%	109	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	122	%	122	%	03/07/22	KCA	1

Client ID: SV3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

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Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 28608

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date Time
03/04/22 11:10
03/04/22 17:02

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80042

Project ID: 842 LEXINGTON AVE
Client ID: SS4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	0.382	0.204	1.88	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	7.35	0.421	17.4	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SS4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1	
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1	
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1	
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1	
Carbon Tetrachloride	0.281	0.032	1.77	0.20	03/07/22	KCA	1	
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1	
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1	
Chloroform	1.22	0.205	5.95	1.00	03/07/22	KCA	1	
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1	
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1	
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1	
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1	
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1	
Dichlorodifluoromethane	0.575	0.202	2.84	1.00	03/07/22	KCA	1	
Ethanol	6.05	0.531	11.4	1.00	03/07/22	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1	1
Ethylbenzene	0.667	0.230	2.89	1.00	03/07/22	KCA	1	
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1	
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1	
Hexane	0.405	0.284	1.43	1.00	03/07/22	KCA	1	
Isopropylalcohol	2.79	0.407	6.85	1.00	03/07/22	KCA	1	
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1	
m,p-Xylene	3.17	0.230	13.8	1.00	03/07/22	KCA	1	
Methyl Ethyl Ketone	0.595	0.339	1.75	1.00	03/07/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1	
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1	
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1	1
o-Xylene	0.875	0.230	3.80	1.00	03/07/22	KCA	1	
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1	1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1	
Tetrachloroethene	5.36	0.037	36.3	0.25	03/07/22	KCA	1	
Tetrahydrofuran	ND	0.339	ND	1.00	03/07/22	KCA	1	1
Toluene	40.3	1.33	152	5.01	03/07/22	KCA	5	
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1	
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1	
Trichloroethene	12.1	0.037	65.0	0.20	03/07/22	KCA	1	
Trichlorofluoromethane	0.439	0.178	2.46	1.00	03/07/22	KCA	1	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1	
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene	105	%	105	%	03/07/22	KCA	1	
% IS-1,4-Difluorobenzene	103	%	103	%	03/07/22	KCA	1	
% IS-Bromochloromethane	100	%	100	%	03/07/22	KCA	1	
% IS-Chlorobenzene-d5	114	%	114	%	03/07/22	KCA	1	
% Bromofluorobenzene (5x)	104	%	104	%	03/07/22	KCA	5	
% IS-1,4-Difluorobenzene (5x)	99	%	99	%	03/07/22	KCA	5	
% IS-Bromochloromethane (5x)	99	%	99	%	03/07/22	KCA	5	
% IS-Chlorobenzene-d5 (5x)	106	%	106	%	03/07/22	KCA	5	

Client ID: SS4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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.

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Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 28577

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date

03/04/22 10:45
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80043

Project ID: 842 LEXINGTON AVE
Client ID: SV2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	0.223	0.204	1.10	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	11.6	0.421	27.5	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SV2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	0.576	0.321	1.79	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.032	0.032	0.20	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.443	0.202	2.19	1.00	03/07/22	KCA	1
Ethanol	5.58	0.531	10.5	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	03/07/22	KCA	1
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	2.00	0.284	7.05	1.00	03/07/22	KCA	1
Isopropylalcohol	4.02	0.407	9.9	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	0.682	0.230	2.96	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	0.783	0.339	2.31	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	2.87	0.037	19.5	0.25	03/07/22	KCA	1
Tetrahydrofuran	2.13	0.339	6.28	1.00	03/07/22	KCA	1 1
Toluene	3.66	0.266	13.8	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	ND	0.037	ND	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.217	0.178	1.22	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene	103	%	103	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	113	%	113	%	03/07/22	KCA	1
% IS-Bromochloromethane	112	%	112	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	119	%	119	%	03/07/22	KCA	1

Client ID: SV2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 23337

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date

03/04/22 10:40
03/04/22 17:02

Time

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80044

Project ID: 842 LEXINGTON AVE
Client ID: SV1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	0.457	0.204	2.25	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	0.888	0.166	5.34	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	22.6	0.421	53.7	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SV1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.067	0.032	0.42	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.458	0.202	2.26	1.00	03/07/22	KCA	1
Ethanol	24.3	0.531	45.8	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	0.337	0.230	1.46	1.00	03/07/22	KCA	1
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	0.389	0.284	1.37	1.00	03/07/22	KCA	1
Isopropylalcohol	26.7	0.407	65.6	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	1.23	0.230	5.34	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	0.463	0.230	2.01	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	0.993	0.037	6.73	0.25	03/07/22	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	03/07/22	KCA	1 1
Toluene	23.0	0.266	86.6	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	0.262	0.037	1.41	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.350	0.178	1.97	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene	105	%	105	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	110	%	110	%	03/07/22	KCA	1
% IS-Bromochloromethane	110	%	110	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	116	%	116	%	03/07/22	KCA	1

Client ID: SV1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 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:

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Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Sample Information

Matrix: AIR
Location Code: BRUSSEE
Rush Request: 72 Hour
P.O.#:
Canister Id: 23348

Custody Information

Collected by: RB
Received by: CP
Analyzed by: see "By" below

Date Time
03/04/22 11:00
03/04/22 17:02

Laboratory Data

SDG ID: GCK80038
Phoenix ID: CK80045

Project ID: 842 LEXINGTON AVE
Client ID: SV5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/07/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/07/22	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/07/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/07/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/07/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/07/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/07/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/07/22	KCA	1
1,4-Dichlorobenzene	0.273	0.166	1.64	1.00	03/07/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/07/22	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/07/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/07/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/07/22	KCA	1
Acetone	6.06	0.421	14.4	1.00	03/07/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/07/22	KCA	1
Benzene	ND	0.313	ND	1.00	03/07/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/07/22	KCA	1

Client ID: SV5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/07/22	KCA	1
Bromoform	ND	0.097	ND	1.00	03/07/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/07/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/07/22	KCA	1
Carbon Tetrachloride	0.070	0.032	0.44	0.20	03/07/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/07/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/07/22	KCA	1
Chloroform	ND	0.205	ND	1.00	03/07/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/07/22	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	03/07/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/07/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/07/22	KCA	1
Dichlorodifluoromethane	0.465	0.202	2.30	1.00	03/07/22	KCA	1
Ethanol	12.9	0.531	24.3	1.00	03/07/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/07/22	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	03/07/22	KCA	1
Heptane	ND	0.244	ND	1.00	03/07/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/07/22	KCA	1
Hexane	1.19	0.284	4.19	1.00	03/07/22	KCA	1
Isopropylalcohol	1.72	0.407	4.23	1.00	03/07/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/07/22	KCA	1
m,p-Xylene	0.554	0.230	2.40	1.00	03/07/22	KCA	1
Methyl Ethyl Ketone	0.566	0.339	1.67	1.00	03/07/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/07/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/07/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	03/07/22	KCA	1
Propylene	ND	0.581	ND	1.00	03/07/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/07/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/07/22	KCA	1
Tetrachloroethene	1.70	0.037	11.5	0.25	03/07/22	KCA	1
Tetrahydrofuran	1.20	0.339	3.54	1.00	03/07/22	KCA	1 1
Toluene	2.43	0.266	9.15	1.00	03/07/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/07/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/07/22	KCA	1
Trichloroethene	0.039	0.037	0.21	0.20	03/07/22	KCA	1
Trichlorofluoromethane	0.206	0.178	1.16	1.00	03/07/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/07/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/07/22	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	104	%	104	%	03/07/22	KCA	1
% IS-1,4-Difluorobenzene	108	%	108	%	03/07/22	KCA	1
% IS-Bromochloromethane	104	%	104	%	03/07/22	KCA	1
% IS-Chlorobenzene-d5	116	%	116	%	03/07/22	KCA	1

Client ID: SV5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

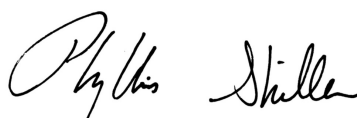
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected 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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 09, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

March 09, 2022

FOR: Attn: Mr Kevin Brussee
Brussee Environmental Corp
14 Evans Lane
Miller Place, NY 11764

Location Code: BRUSSEE

SDG I.D.: GCK80038

Project ID: 842 LEXINGTON AVE

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SV4	CK80038	19924	6.0L	3969	02/08/22	-30	-8	43	51	17.0	-30	-9	03/04/22 08:55	03/04/22 10:55
SS2	CK80039	19628	6.0L	5000	02/08/22	-30	-6	43	51	17.0	-30	-8	03/04/22 09:08	03/04/22 11:08
SS3	CK80040	23329	6.0L	3248	02/08/22	-30	-5	43	46	6.7	-30	-7	03/04/22 09:05	03/04/22 11:05
SV3	CK80041	21323	6.0L	5656	02/08/22	-30	-5	43	44	2.3	-29	-5	03/04/22 08:50	03/04/22 10:50
SS4	CK80042	28608	6.0L	2969	02/08/22	-30	-6	43	46	6.7	-30	-7	03/04/22 09:10	03/04/22 11:10
SV2	CK80043	28577	6.0L	4959	02/24/22	-30	-3	43	44	2.3	-27	-1	03/04/22 08:45	03/04/22 10:45
SV1	CK80044	23337	6.0L	7428	02/24/22	-30	-2	43	45	4.5	-30	-3	03/04/22 08:40	03/04/22 10:40
SV5	CK80045	23348	6.0L	4960	02/24/22	-30	-6	43	46	6.7	-30	-7	03/04/22 09:00	03/04/22 11:00



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QA/QC Report

March 09, 2022

QA/QC Data

SDG I.D.: GCK80038

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits

QA/QC Batch 614681 (ppbv), QC Sample No: CK80038 (CK80038, CK80039, CK80040, CK80041, CK80042 (1X, 5X), CK80043, CK80044, CK80045)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	89	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	96	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	105	1.45	1.45	0.295	0.296	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	100	ND	1.36	ND	0.276	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	107	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	114	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	107	1.12	ND	0.274	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	108	116 E	116	48.9 E	49.0	0.2	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	106	4.67	4.67	1.50	1.50	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	100	0.25	0.24	0.039	0.038	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	103	2.40	2.42	0.485	0.490	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCK80038

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	121	61.6	58.6	32.7	31.1	5.0	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	117	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	2.07	1.98	0.477	0.457	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	107	1.73	1.96	0.422	0.478	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	105	17.1	16.9	4.85	4.80	1.0	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	111	47.7	47.7	19.4	19.4	0.0	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	105	7.64	7.85	1.76	1.81	2.8	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	103	4.24	4.36	1.44	1.48	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	103	ND	5.24	ND	1.51	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	105	1.80	1.95	0.415	0.449	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	103	ND	1.00	ND	0.236	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	94	8.68	8.81	1.28	1.30	1.6	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	103	14.6	15.1	4.96	5.12	3.2	70 - 130	25
Toluene	ND	0.270	ND	1.02	99	36.5	37.2	9.7	9.88	1.8	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	102	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	102	18.2	18.2	3.25	3.24	0.3	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	103	103	103	103	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	111	%	111	%	118	104	104	104	104	NC	60 - 140	25
% IS-Bromochloromethane	105	%	105	%	113	103	105	103	105	NC	60 - 140	25
% IS-Chlorobenzene-d5	110	%	110	%	123	116	117	116	117	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
March 09, 2022

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCK80038 - BRUSSEE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

March 09, 2022

SDG I.D.: GCK80038

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

AIRSIM

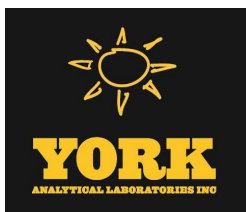
CHEM20 03/07/22-1: CK80038, CK80039, CK80040, CK80041, CK80042, CK80043, CK80044, CK80045

The following Continuing Calibration compounds did not meet % deviation criteria: Ethanol 31%H (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Ethanol 31%H (30%)

APPENDIX F

Laboratory Reports - Alpha



Technical Report for Emerging Contaminants

prepared for:

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Report Date: 03/08/2022
Client Project ID: 842 Lexington Ave.
York Project (SDG) No.: 22B1258

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

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/08/2022
Client Project ID: 842 Lexington Ave.
York Project (SDG) No.: 22B1258

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

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 February 28, 2022 and listed below. The project was identified as your project: **842 Lexington Ave..**

The analyses were conducted utilizing appropriate EPA 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.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22B1258-01	SB2 (11-13')	Soil	02/24/2022	02/28/2022

General Notes for York Project (SDG) No.: 22B1258

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.

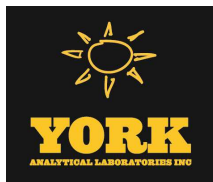
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/08/2022





Sample Information

Client Sample ID: SB2 (11-13')

York Sample ID: 22B1258-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22B1258

842 Lexington Ave.

Soil

February 24, 2022 3:00 pm

02/28/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
2355-31-9	* N-MeFOSAA	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
2991-50-6	* N-EtFOSAA	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0		ug/kg dry	0.249	EPA 537m	03/01/2022 12:54	WL
						Certifications:			03/02/2022 23:13	



Sample Information

Client Sample ID: SB2 (11-13')

York Sample ID: 22B1258-01

York Project (SDG) No.

22B1258

Client Project ID

842 Lexington Ave.

Matrix

Soil

Collection Date/Time

February 24, 2022 3:00 pm

Date Received

02/28/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL					
Surrogate Recoveries		Result		Acceptance Range					
	Surrogate: M3PFBS	107 %		25-150					
	Surrogate: M5PFHxA	104 %		25-150					
	Surrogate: M4PFHpA	86.3 %		25-150					
	Surrogate: M3PFHxS	85.8 %		25-150					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	82.1 %		25-150					
	Surrogate: M6PFDA	62.3 %		25-150					
	Surrogate: M7PFUdA	63.5 %		25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	50.8 %		25-150					
	Surrogate: M2PFTeDA	25.1 %		10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.1 %		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.4 %		25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	104 %		25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	66.5 %		10-150					
	Surrogate: d3-N-MeFOSAA	53.1 %		25-150					
	Surrogate: d5-N-EtFOSAA	76.2 %		25-150					
	Surrogate: M2-6:2 FTS	60.8 %		25-200					
	Surrogate: M2-8:2 FTS	30.5 %		25-200					
	Surrogate: M9PFNA	53.8 %		25-150					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL						
solids	* % Solids	93.1		100		%	0.100	SM 2540G	03/07/2022 16:17	JTG
						Certifications:	CTDOH		03/07/2022 16:45	



Analytical Batch Summary

Batch ID: BC21320 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B1258-01	SB2 (11-13')	03/01/22
BC21320-BLK1	Blank	03/01/22
BC21320-BS1	LCS	03/01/22
BC21320-MS1	Matrix Spike	03/01/22
BC21320-MSD1	Matrix Spike Dup	03/01/22

Batch ID: BC21696 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B1258-01	SB2 (11-13')	03/07/22
BC21696-DUP1	Duplicate	03/07/22



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC21320 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC21320-BLK1)

Prepared: 03/01/2022 Analyzed: 03/02/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	3.61		"	4.50		80.2	25-150				
Surrogate: M5PFHxA	4.19		"	4.84		86.6	25-150				
Surrogate: M4PFHpA	3.82		"	4.84		78.8	25-150				
Surrogate: M3PFHxS	3.31		"	4.58		72.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.92		"	4.84		81.0	25-150				
Surrogate: M6PFDA	3.66		"	4.84		75.5	25-150				
Surrogate: M7PFUDa	2.98		"	4.84		61.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.02		"	4.84		62.3	25-150				
Surrogate: M2PFTeDA	3.00		"	4.84		61.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.58		"	4.84		73.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.47		"	4.63		75.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.00		"	4.84		82.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.26		"	4.84		67.4	10-150				
Surrogate: d3-N-MeFOSAA	3.92		"	4.84		80.9	25-150				
Surrogate: d5-N-EtFOSAA	2.87		"	4.84		59.3	25-150				
Surrogate: M2-6:2 FTS	6.35		"	4.59		138	25-200				
Surrogate: M2-8:2 FTS	4.09		"	4.64		88.3	25-200				
Surrogate: M9PFNA	3.46		"	4.84		71.5	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC21320 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC21320-BS1)

Prepared: 03/01/2022 Analyzed: 03/02/2022

Perfluorobutanesulfonic acid (PFBS)	5.09	0.246	ug/kg wet	4.35		117	50-130				
Perfluorohexanoic acid (PFHxA)	5.08	0.246	"	4.91		103	50-130				
Perfluoroheptanoic acid (PFHpA)	5.33	0.246	"	4.91		108	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.06	0.246	"	4.47		90.8	50-130				
Perfluorooctanoic acid (PFOA)	4.68	0.246	"	4.91		95.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.98	0.246	"	4.54		110	50-130				
Perfluorononanoic acid (PFNA)	4.67	0.246	"	4.91		95.1	50-130				
Perfluorodecanoic acid (PFDA)	4.55	0.246	"	4.91		92.7	50-130				
Perfluoroundecanoic acid (PFUnA)	5.37	0.246	"	4.91		109	50-130				
Perfluorododecanoic acid (PFDoA)	4.60	0.246	"	4.91		93.6	50-130				
Perfluorotridecanoic acid (PFTDA)	4.20	0.246	"	4.91		85.6	50-130				
Perfluorotetradecanoic acid (PFTA)	5.03	0.246	"	4.91		102	50-130				
N-MeFOSAA	4.62	0.246	"	4.91		94.0	50-130				
N-EtFOSAA	4.78	0.246	"	4.91		97.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.97	0.246	"	4.91		101	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.10	0.246	"	4.91		83.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.36	0.246	"	4.69		92.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.74	0.246	"	4.74		78.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	3.33	0.246	"	4.67		71.3	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.97	0.246	"	4.72		127	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.02	0.246	"	4.91		102	50-130				
Surrogate: M3PFBS	3.65		"	4.56		80.0	25-150				
Surrogate: M5PFHxA	4.33		"	4.91		88.2	25-150				
Surrogate: M4PFHpA	3.90		"	4.91		79.3	25-150				
Surrogate: M3PFHxS	4.31		"	4.65		92.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.24		"	4.91		86.4	25-150				
Surrogate: M6PFDA	4.47		"	4.91		91.0	25-150				
Surrogate: M7PFUdA	3.68		"	4.91		74.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.59		"	4.91		73.2	25-150				
Surrogate: M2PFTeDA	3.48		"	4.91		70.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.03		"	4.91		82.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.25		"	4.70		90.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.17		"	4.91		84.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.17		"	4.91		84.8	10-150				
Surrogate: d3-N-MeFOSAA	6.02		"	4.91		123	25-150				
Surrogate: d5-N-EtFOSAA	6.18		"	4.91		126	25-150				
Surrogate: M2-6:2 FTS	6.14		"	4.66		132	25-200				
Surrogate: M2-8:2 FTS	5.44		"	4.71		116	25-200				
Surrogate: M9PFNA	4.60		"	4.91		93.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC21320 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC21320-MS1)		*Source sample: 22B1246-01 (Matrix Spike)					Prepared: 03/01/2022 Analyzed: 03/02/2022				
Perfluorobutanesulfonic acid (PFBS)	4.36	0.245	ug/kg dry	4.34	ND	101	25-150				
Perfluorohexanoic acid (PFHxA)	4.26	0.245	"	4.90	ND	86.8	25-150				
Perfluoroheptanoic acid (PFHpA)	4.66	0.245	"	4.90	ND	95.0	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.47	0.245	"	4.46	ND	100	25-150				
Perfluorooctanoic acid (PFOA)	4.88	0.245	"	4.90	ND	99.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.71	0.245	"	4.54	ND	104	25-150				
Perfluorononanoic acid (PFNA)	4.89	0.245	"	4.90	ND	99.7	25-150				
Perfluorodecanoic acid (PFDA)	4.31	0.245	"	4.90	ND	88.0	25-150				
Perfluoroundecanoic acid (PFUnA)	4.55	0.245	"	4.90	ND	92.9	25-150				
Perfluorododecanoic acid (PFDoA)	4.47	0.245	"	4.90	ND	91.1	25-150				
Perfluorotridecanoic acid (PFTDA)	4.41	0.245	"	4.90	ND	89.9	25-150				
Perfluorotetradecanoic acid (PFTA)	4.23	0.245	"	4.90	ND	86.2	25-150				
N-MeFOSAA	4.46	0.245	"	4.90	ND	90.9	25-150				
N-EtFOSAA	4.85	0.245	"	4.90	ND	99.0	25-150				
Perfluoropentanoic acid (PFPeA)	4.62	0.245	"	4.90	ND	94.3	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.52	0.245	"	4.90	ND	113	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.57	0.245	"	4.68	ND	119	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.76	0.245	"	4.73	ND	79.5	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.03	0.245	"	4.66	ND	86.5	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.61	0.245	"	4.71	ND	119	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.45	0.245	"	4.90	ND	111	25-150				
Surrogate: M3PFBS	3.80		"	4.55		83.5	25-150				
Surrogate: M5PFHxA	4.36		"	4.90		88.8	25-150				
Surrogate: M4PFHpA	4.17		"	4.90		85.1	25-150				
Surrogate: M3PFHxS	3.37		"	4.64		72.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.04		"	4.90		82.3	25-150				
Surrogate: M6PFDA	3.46		"	4.90		70.6	25-150				
Surrogate: M7PFUdA	3.00		"	4.90		61.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.80		"	4.90		57.2	25-150				
Surrogate: M2PFTeDA	3.58		"	4.90		73.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.80		"	4.90		77.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.26		"	4.69		69.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.26		"	4.90		86.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.43		"	4.90		49.5	10-150				
Surrogate: d3-N-MeFOSAA	4.01		"	4.90		81.8	25-150				
Surrogate: d5-N-EtFOSAA	5.17		"	4.90		105	25-150				
Surrogate: M2-6:2 FTS	3.83		"	4.65		82.2	25-200				
Surrogate: M2-8:2 FTS	2.94		"	4.70		62.6	25-200				
Surrogate: M9PFNA	3.81		"	4.90		77.7	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC21320 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC21320-MSD1)	*Source sample: 22B1246-01 (Matrix Spike Dup)					Prepared: 03/01/2022 Analyzed: 03/02/2022					
Perfluorobutanesulfonic acid (PFBS)	4.34	0.249	ug/kg dry	4.40	ND	98.6	25-150		0.483	35	
Perfluorohexanoic acid (PFHxA)	4.58	0.249	"	4.97	ND	92.0	25-150		7.20	35	
Perfluoroheptanoic acid (PFHpA)	5.21	0.249	"	4.97	ND	105	25-150		11.2	35	
Perfluorohexanesulfonic acid (PFHxS)	4.16	0.249	"	4.53	ND	91.9	25-150		7.23	35	
Perfluorooctanoic acid (PFOA)	4.24	0.249	"	4.97	ND	85.2	25-150		14.0	35	
Perfluorooctanesulfonic acid (PFOS)	3.94	0.249	"	4.60	ND	85.6	25-150		17.9	35	
Perfluorononanoic acid (PFNA)	4.88	0.249	"	4.97	ND	98.2	25-150		0.149	35	
Perfluorodecanoic acid (PFDA)	3.37	0.249	"	4.97	ND	67.8	25-150		24.4	35	
Perfluoroundecanoic acid (PFUnA)	4.69	0.249	"	4.97	ND	94.2	25-150		2.83	35	
Perfluorododecanoic acid (PFDoA)	4.37	0.249	"	4.97	ND	88.0	25-150		2.15	35	
Perfluorotridecanoic acid (PFTriDA)	4.26	0.249	"	4.97	ND	85.6	25-150		3.51	35	
Perfluorotetradecanoic acid (PFTA)	4.68	0.249	"	4.97	ND	94.2	25-150		10.3	35	
N-MeFOSAA	4.44	0.249	"	4.97	ND	89.2	25-150		0.465	35	
N-EtFOSAA	4.99	0.249	"	4.97	ND	100	25-150		2.81	35	
Perfluoropentanoic acid (PFPeA)	4.86	0.249	"	4.97	ND	97.7	25-150		5.00	35	
Perfluoro-1-octanesulfonamide (FOSA)	3.86	0.249	"	4.97	ND	77.7	25-150		35.3	35	Non-dir.
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.46	0.249	"	4.75	ND	93.8	25-150		22.3	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.35	0.249	"	4.80	ND	69.8	25-150		11.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.28	0.249	"	4.72	ND	112	25-200		26.8	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.64	0.249	"	4.77	ND	97.2	25-200		18.8	35	
Perfluoro-n-butanoic acid (PFBA)	5.10	0.249	"	4.97	ND	102	25-150		6.68	35	
Surrogate: M3PFBS	4.09		"	4.62		88.6	25-150				
Surrogate: M5PFHxA	4.68		"	4.97		94.1	25-150				
Surrogate: M4PFHpA	4.08		"	4.97		82.1	25-150				
Surrogate: M3PFHxS	4.05		"	4.70		86.0	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.59		"	4.97		92.3	25-150				
Surrogate: M6PFDA	4.17		"	4.97		83.8	25-150				
Surrogate: M7PFUdA	2.92		"	4.97		58.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.11		"	4.97		62.5	25-150				
Surrogate: M2PFTeDA	3.44		"	4.97		69.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.04		"	4.97		81.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.80		"	4.76		79.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.09		"	4.97		82.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.28		"	4.97		66.0	10-150				
Surrogate: d3-N-MeFOSAA	3.84		"	4.97		77.2	25-150				
Surrogate: d5-N-EtFOSAA	3.77		"	4.97		75.9	25-150				
Surrogate: M2-6:2 FTS	3.98		"	4.72		84.4	25-200				
Surrogate: M2-8:2 FTS	2.62		"	4.76		54.9	25-200				
Surrogate: M9PFNA	3.90		"	4.97		78.4	25-150				



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

Batch BC21696 - % Solids Prep

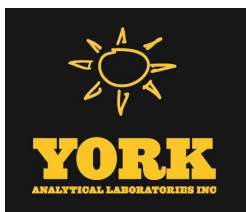
Duplicate (BC21696-DUP1)		*Source sample: 22B1213-02 (Duplicate)						Prepared & Analyzed: 03/07/2022			
% Solids	79.1	0.100	%		78.5				0.821	20	



Sample and Data Qualifiers Relating to This Work Order

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.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) established by the NYSDOH for these compounds where an MCL is reported. Exceedences are flagged according.



Technical Report for Emerging Contaminants

prepared for:

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

Report Date: 03/16/2022
Client Project ID: 842 Lexington Ave
York Project (SDG) No.: 22C0406

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/16/2022
Client Project ID: 842 Lexington Ave
York Project (SDG) No.: 22C0406

Brussee Environmental Corp.
14 Evans Lane
Miller Place NY, 11764
Attention: Kevin Brussee

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 07, 2022 and listed below. The project was identified as your project: **842 Lexington Ave.**

The analyses were conducted utilizing appropriate EPA 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.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0406-01	MW1	Water	03/04/2022	03/07/2022

General Notes for York Project (SDG) No.: 22C0406

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:



Cassie L. Mosher
Laboratory Manager

Date: 03/16/2022





Sample Information

Client Sample ID: MW1

York Sample ID: 22C0406-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0406

842 Lexington Ave

Water

March 4, 2022 9:00 am

03/07/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.64		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
307-24-4	* Perfluorohexanoic acid (PFHxA)	10.9		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	12.9		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.39		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
335-67-1	* Perfluorooctanoic acid (PFOA)	44.6		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	22.4		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	16.7		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0		ng/L	4.81	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0		ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
						Certifications:			03/15/2022 18:38	



Sample Information

Client Sample ID: MW1

York Sample ID: 22C0406-01

York Project (SDG) No.
22C0406

Client Project ID
842 Lexington Ave

Matrix
Water

Collection Date/Time
March 4, 2022 9:00 am

Date Received
03/07/2022

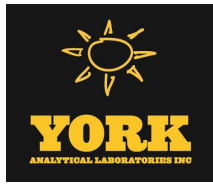
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

Maximum Contaminant Level									
CAS No.	Parameter	Result	Flag	MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	19.8		0	ng/L	1.92	EPA 537m	03/14/2022 14:56	WL
					Certifications:			03/15/2022 18:38	
Surrogate Recoveries		Result	Acceptance Range						
Surrogate: M3PFBS		107 %	25-150						
Surrogate: M5PFHxA		105 %	25-150						
Surrogate: M4PFHpA		104 %	25-150						
Surrogate: M3PFHxS		117 %	25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		112 %	25-150						
Surrogate: M6PFDA		103 %	25-150						
Surrogate: M7PFUdA		92.2 %	25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		117 %	25-150						
Surrogate: M2PFTeDA		99.2 %	10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)		101 %	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)		123 %	25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)		103 %	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)		4.14 %	PFSu-L	10-150					
Surrogate: d3-N-MeFOSAA		123 %	25-150						
Surrogate: d5-N-EtFOSAA		103 %	25-150						
Surrogate: M2-6:2 FTS		117 %	25-200						
Surrogate: M2-8:2 FTS		104 %	25-200						
Surrogate: M9PFNA		110 %	25-150						



Analytical Batch Summary

Batch ID: BC22159 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0406-01	MW1	03/14/22
BC22159-BLK1	Blank	03/14/22



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC22159 - SPE Ext-PFAS-EPA 537.1M

Blank (BC22159-BLK1)

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

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	56.8		"	74.3		76.5	25-150				
Surrogate: M5PFHxA	64.1		"	80.0		80.1	25-150				
Surrogate: M4PFHpA	69.4		"	80.0		86.7	25-150				
Surrogate: M3PFHxS	62.2		"	75.7		82.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	69.7		"	80.0		87.1	25-150				
Surrogate: M6PFDA	70.9		"	80.0		88.6	25-150				
Surrogate: M7PFUDa	70.8		"	80.0		88.4	25-150				
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	71.3		"	80.0		89.1	25-150				
Surrogate: M2PFTeDA	50.1		"	80.0		62.7	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	64.1		"	80.0		80.2	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	83.2		"	76.6		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.8		"	80.0		81.0	25-150				
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	14.5		"	80.0		18.1	10-150				
Surrogate: d3-N-MeFOSAA	80.7		"	80.0		101	25-150				
Surrogate: d5-N-EtFOSAA	80.7		"	80.0		101	25-150				
Surrogate: M2-6:2 FTS	74.9		"	75.9		98.7	25-200				
Surrogate: M2-8:2 FTS	74.3		"	76.6		97.0	25-200				
Surrogate: M9PFNA	77.4		"	80.0		96.7	25-150				





Sample and Data Qualifiers Relating to This Work Order

PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.

PFSUBS The aqueous sample contained appreciable levels of sediment requiring sub-sampling by decantation.

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.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) established by the NYSDOH for these compounds where an MCL is reported. Exceedences are flagged according.



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 22C0406

YOUR Information Company: <u>Brussee Env. (BEC)</u> Address: <u>14 Evans Lane</u> <u>Miller Place, NY</u> Phone No. <u>(631) 338-1749</u> Contact Person: <u>Kevin Brussee</u> E-Mail Address: <u>Kevin.Brussee@bectmail.com</u>		Report To: Company: <u>SAME</u> Address: <u></u> Phone No. <u></u> Attention: <u></u> E-Mail Address: <u></u>		Invoice To: Company: <u>SAME</u> Address: <u></u> Phone No. <u></u> Attention: <u></u> E-Mail Address: <u></u>		YOUR Project ID <u>842 Lexington Ave</u> Purchase Order No. <u></u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard(5-7 Days) ☒		Report Type Summary Report ☒ Summary w/ QA Summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☐ NJDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD) ☒ Simple Excel ☒ NYSDEC EQUIS ☐ EQUIS (std) ☐ EZ-EDD (EQUIS) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in): ☐	
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.		Choose Analyses Needed from the Menu Above and Enter Below									
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Sample Matrix <u>GW</u>									
Samples Collected/Authorized By (Signature) <u>Robert Bennett</u> Name (printed)		Date/Time Sampled <u>3/4/22 (0950)</u>		Container Description(s) <u>(2) 175mL plastics</u>							

Comments Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C ☐ Frozen ☐ HCl ☐ MeOH ☐ Ascorbic Acid ☐ ZnAc ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ Other ☐		Temperature on Receipt <u>3.7 °C</u>			
Samples Relinquished By <u>AKB</u> Date/Time <u>3/7/22</u>		Samples Received By <u>Wang, Yoke</u> Date/Time <u>3/8/22 11:20</u>		Samples Relinquished By <u></u> Date/Time <u></u>		Samples Received in LAB by <u></u> Date/Time <u></u>	