Off-Site Site Investigation Report

Flowers Property

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PREPARED FOR

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1.0
Introduction

VHB has prepared this Off-Site Site Investigation Report (SIR) for the subsurface investigation conducted on April 30, 2019 and May 1, 2019 at the property located on the south side of Bayview Avenue, between Bay Avenue to the west, and Oyster Bay to the east, in the hamlet of Oyster Bay, Nassau County, New York (hereinafter referred to as the "subject property"). The subject property is located on a single parcel comprising of 1.32± acres. The subject property is identified by the street address of 2 Bayview Avenue, and as Section 27 – Block 16 – Lot No. 10 on the Nassau County land and tax maps. A site location map is provided as Figures 1 in Attachment A.

During a meeting on October 19, 2018, the New York State Department of Environmental Conservation (NYSDEC) requested a site investigation of the subject property in order to determine if volatile organic compounds (VOCs) and semi-volatile organic compounds have impacted the soil and groundwater beneath the subject property, resulting from adjacent NYSDEC Spill Nos. 99-25216 and 85-00426. VHB issued an Off-Site Sampling Preliminary Work Plan to the NYSDEC on December 11, 2018 and the NYSDEC responded with a conditional approval of the proposed investigation on December 19, 2018. In order to outline the defined testing protocol which involved the collection of soil and groundwater within the subject property, as required by the NYSDEC, VHB prepared a Site Investigation Work Plan and associated Health and Safety Plan (HASP), dated April 29, 2019.

The purpose of this investigation was to determine whether former, offsite activities had adversely affected the subject property's subsurface. The subsurface investigation was performed in accordance with the aforementioned Site Investigation Work Plan and HASP, dated April 29, 2019. VHB performed the off-site subsurface investigation over a two-day period (April 30, 2019 and May 1, 2019). The subsurface investigation and results are summarized in the sections, below. Site figures are provided in Attachment A, tables referenced are provided in Attachment B, and site photographs are provided in Attachment E.

2.0

Site Investigation

The subject property consists one irregular-shaped tax parcel located on the south side of Bayview Avenue, east of Bay Avenue, and west of Oyster Bay, in the Hamlet of Oyster Bay, Nassau County, New York. The subject property currently consists of gravel parking lots and storage areas for Frank M. Flower and Sons Oyster Farm. On-site storage consists of vehicle storage and maintenance tools. On-site structures consist of several office and storage trailers throughout the subject property, and an overhang/garage located on the south-central portion of the subject property. Currently, access to the subject property can be obtained from Bayview Avenue to the north. An aerial map depicting the locations of the onsite trailers and site features is provided as Figure 2 in Attachment A.

The source area of the chlorinated volatile organic compound (CVOC) impacts is known to have occurred at the north side of Tank #18 on the Commander/Global facility (located south of proposed borings SB-2 and SB-3). The CVOC impacts are a result of the documented 1995 spill and prior operations as discovered in 2008. Furthermore, on-site excavation of CVOC-impacted soils in the upper two feet of this source area has already taken place. Although two (2) active on-site remediation systems are treating the CVOCs in the soils and groundwater, CVOCs are still present.

In addition to the documented CVOC impacts noted above, the Commander/Global facility has a series of groundwater wells, a groundwater pump and treat (GWPT) system, and oil absorbent barriers at Oyster Bay to monitor, treat and contain historic petroleum-related releases within the subsurface.

2.1 Geophysical Survey

A geophysical survey was conducted at the subject property prior to the subsurface investigation. On August 30, 2019, Consumer Markouts, Inc. (Consumer) conducted a geophysical survey with direction provided by VHB personnel. Consumer utilized geophysical survey equipment (i.e., magnetometer, ground penetrating radar [GPR],

radio frequency [RF] line tracers and fiber-optic cameras) to clear boring locations at the subject property. A VHB Project Scientist was present during the geophysical survey to log pertinent information (e.g., locations and sub-grade utility routes, etc.).

2.2 Spill Investigation

A soil boring program was implemented at the subject property to adequately identify/characterize the following:

- Soils and groundwater potentially impacted by the off-site spills, located adjacent to the south of the subject property (NYSDEC Spill Nos. 99-25216 and 85-00426).

Eight (8) soil borings (designated as SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7 and SB-8), as depicted on Figure 2 in Attachment A, were pre-cleared during the geophysical survey.

The soil borings were installed utilizing a Geoprobe® 7730DT direct push drill rig. All field equipment associated with the Geoprobe® was decontaminated between boring locations using an Alconox detergent/potable water wash and potable water rinse. At a minimum, each boring was advanced to a terminal depth of the peat layer, which was confirmed based upon the observed soil lithology.

The eight (8) off-site soil borings were spaced approximately 40-feet apart. The southern soil borings (i.e., SB-1, SB-2, SB-3 and SB-4) were placed within 10-feet to the north of the property boundary line demarcated by the existing chain-linked fence between the Commander/Global facility and the subject property. A second row of four (4) soil borings were located approximately 40 feet northward (i.e., SB-5, SB-6, SB-7 and SB-8). Soil boring locations are depicted in Figure 2 of Attachment A.

To assess the conditions of the soils and groundwater at the subject property, soil samples were collected from each of the eight (8) proposed boring locations. Based upon known lithology at the adjacent Commander/Global terminal, a thick layer of bog (peat) was known to be present at approximately six (6) feet below grade surface (bgs) proximate to the property boundary between the Commander/Global terminal and the subject property. Based upon site observations, the subject property appears to be at a higher elevation than the Commander/Global terminal; thus, it was anticipated that the bog layer would present at approximately 10-feet bgs.

2.2.1 Soil Borings SB-1 through SB-8

Two (2) soil samples were collected within each of the eight (8) boring locations, for a total of 16 soil samples. All soils were field screened with a photoionization detector

(PID) [1] and recorded in soil boring logs. As the upper two (2) feet of the subject property was not identified to be impacted by on-site releases from the Commander/Global terminal, no samples from the upper two (2) feet were sampled. Soil borings SB-1 through SB-4 were drilled proximately to the subject property southern boundary. Soil borings SB-5 through SB-8 were drilled approximately 40 feet northward. As directed by the NYSDEC, sampling depths between these north/south boring locations differ as follows:

SB-1 through SB-4

At borings SB-1, SB-2, SB-3 and SB-4, one (1) discrete soil sample was collected, and submitted for analysis, from the unsaturated soils from two-feet bgs to the saturated zone. The second discrete soil sample from each boring was collected from the beginning of the saturated zone to the beginning of the bog layer.

SB-5 through SB-8

Borings SB-5, SB-6, SB-7 and SB-8 were completed to a minimum of 20 feet bgs to assess soil (and groundwater) conditions beneath the bog layer. At each boring location, one (1) composite soil sample was collected from the four (4)-foot section immediately above the bog layer, and one (1) composite soil sample was collected from the 16 to 20-foot bgs section.

Soil impacts were observed and evaluated for suspect characteristics (e.g., staining, odors, positive PID responses, etc.). Soil lithology and characteristics are included in soil boring logs, provided in Attachment D of this Phase II ESA.

All soil samples were collected in accordance with the NYSDEC Division of Environmental Remediation (DER)-10 *Technical Guidance for Site Investigation and Remediation*, and were transferred directly into laboratory-supplied glassware, stored in an ice-packed cooler and transported to Alpha Analytical Laboratories, Inc. (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory under appropriate chain-of-custody protocols. Soil samples were analyzed for the following analyses:

- Target Compound List (TCL) volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260
- TCL semi-volatile organic compounds (SVOCs) using USEPA Method 8270

Soil analytical data were tabulated into Table 1 in Attachment B (with laboratory analytical data sheets included in Attachment C of this SIR). Soil sampling results

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[1] A PID is a portable field instrument capable of detecting a wide range of volatile organic compounds (VOCs).

were compared to NYSDEC 6 NYCRR Part 375 Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives, June 2006 (UUSCOs) for evaluating residential-use thresholds and NYSDEC 6 NYCRR Part 375 Table 375-6.8(b) Restricted Use Restricted-Industrial Soil Cleanup Objectives, June 2006 (RISCOs) for evaluating industrial-use thresholds.[2]

A summary of findings along with laboratory data results is provided in the subsections, below, as well as on Figure Nos. 3 and 4 in Attachment A.

2.2.1.1 **Soil Analytical Results**

Soil Boring SB-1

Soil samples were collected from SB-1 at six-feet and 8.5-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in soil samples collected from soil boring SB-1 (SB-1[6'] and SB-1[8.5']). In addition, one (1) VOC, specifically acetone, was detected at concentrations slightly exceeding its respective UUSCO. However, the concentrations were well below the RISCO for acetone.[3]

Soil Boring SB-2

Soil samples were collected from SB-2 at 10-feet and 11-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in the unsaturated soil sample collected at 10-feet bgs (SB-2 [10']). However, five (5) SVOCs were detected at concentrations exceeding their respective UUSCOs in the saturated soil sample SB-2 (11'). Specifically, benzo(a)anthracene (1.3 milligrams per kilogram [mg/kg]), benzo(a)pyrene (1.2 mg/kg), benzo(b)fluoranthene (1.3 mg/kg), chrysene (1.2 mg/kg), and indeno(1,2,3-cd)pyrene (0.76 mg/kg). It is important to note that the concentration of benzo(a)pyrene at 1.2 mg/kg also slightly exceeds its respective RISCO of 1.1 mg/kg.

One (1) VOC, specifically vinyl chloride (1.4 mg/kg), was detected at a concentration exceeding its respective UUSCO of 0.02 mg/kg, but below its respective RISCO of 27 mg/kg, in the unsaturated sample (SB-2 [10']). In addition, three (3) VOCs, specifically benzene (0.18 mg/kg), cis-1,2-dichloroethene (5.1 mg/kg) and vinyl chloride (8.1

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[2] It should be noted that several VOCs and SVOCs were identified in the laboratory analytical data in which laboratory method detection limits (MDLs) were higher than their respective NYSDEC Part 375 UUSCOs. Thus, there is a potential for trace or minor concentrations of the respective analytes to be present in the samples above UUSCOs. However, it should be noted that matrix interference in samples from non-target compounds and analytes can contribute to elevated MDLs and do not represent an exceedance of a standard.

[3] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

mg/kg) were detected at concentrations exceeding their respective UUSCOs, but below their respective RISCOs in the saturated sample (SB-2 [11']).

Soil Boring SB-3

Soil samples were collected from SB-3 at five-feet and seven-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in both soil samples collected from SB-3 (SB-3 [5'] and SB-3 [7']).

In addition, no VOCs were detected at concentrations exceeding their respective UUSCOs within the unsaturated soil sample (SB-3 [5']). Furthermore, one VOC, specifically acetone (0.078 mg/kg), was detected at a concentration exceeding its respective UUSCO, but below its respective RISCO.[4]

Soil Boring SB-4

Soil samples were collected from SB-4 at three-to-four-feet and five-to-six-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in both soil samples collected from SB-4 (SB-4 [3-4'] and SB-4 [5-6']).

Three (3) VOCs, specifically benzene (0.75 mg/kg), cis-12-dichloroethene (0.6 mg/kg) and total xylenes (0.83 mg/kg), were detected at concentrations exceeding their respective UUSCOs, but below their respective RISCOs, in the unsaturated sample (SB-4 [3-4']). Furthermore, one VOC, specifically acetone (0.23 mg/kg), was detected sample SB-4 (5-6') at a concentration exceeding its respective UUSCO, but below its respective RISCO.[5]

Soil Boring SB-5

Soil samples were collected from SB-5 at four-to-eight-feet and 16-to-20-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in both soil samples collected from SB-5 (SB-5 [4-8'] and SB-5 [16-20']).

One (1) VOC, specifically acetone (0.091 mg/kg), was detected at a concentration exceeding its respective UUSCO, but below its respective RISCO, in the unsaturated

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[4] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

[5] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

sample (SB-4 [4-8']).[6] Furthermore, no VOCs were detected at concentrations exceeding their respective UUSCOs in the saturated soil sample (SB-5 [16-20']).

Soil Boring SB-6

Soil samples were collected from SB-6 at three-to-seven-feet and 16-to-20-feet bgs. As indicated on Table 1 in Attachment B, seven (7) SVOCs were detected at concentrations exceeding their respective UUSCOs in the unsaturated soil sample SB-6 (3-7'). Specifically, benzo(a)anthracene (3.8 mg/kg), benzo(a)pyrene (3.1 mg/kg), benzo(b)fluoranthene (3.5 mg/kg), benzo(k)fluoranthene (1.4 mg/kg), chrysene (3.0 mg/kg), dibeno(a,h)anthracene (0.34), and indeno(1,2,3-cd)pyrene (1.7 mg/kg). It is important to note that the concentration of benzo(a)pyrene at 3.1 mg/kg also exceeds its respective RISCO of 1.1 mg/kg. No SVOCs, were detected at concentrations that exceed their respective UUSCOs in the saturated soil sample collected at 16-20-feet bgs (SB-6 [16-20']).

One (1) VOC, specifically acetone (0.14 mg/kg), was detected at a concentration exceeding its respective UUSCO, but below its respective RISCO, in the unsaturated sample (SB-6 [3-7']).[7] No VOCs were detected at concentrations exceeding their respective UUSCOs in the saturated soil sample (SB-6 [16-20']).

Soil Boring SB-7

Soil samples were collected from SB-7 at three-to-seven-feet and 16-to-20-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs, were detected at concentrations that exceed their respective UUSCOs in both soil samples collected from SB-7 (SB-7 [3-7'] and SB-7 [16-20']).

Two (2) VOCs, specifically acetone (0.083 mg/kg) and vinyl chloride (0.029 mg/kg), were detected at concentrations exceeding their respective UUSCOs, but below their respective RISCOs, in the unsaturated sample (SB-7 [3-7']).[8] Furthermore, no VOCs were detected at concentrations exceeding their respective UUSCOs in the saturated soil sample (SB-7 [16-20']).

Soil Boring SB-8

Soil samples were collected from SB-8 at three-to-seven-feet and 16-to-20-feet bgs. As indicated on Table 1 in Attachment B, no SVOCs or VOCs, were detected at

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[6] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

[7] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

[8] The detection of acetone is likely a laboratory artifact, and as such, should not be considered representative of subsurface conditions.

concentrations that exceed their respective UUSCOs in both soil samples collected from SB-8 (SB-8 [3-7'] and SB-8 [16-20']).

2.3 Groundwater Sampling

Groundwater sampling was conducted at the subject property in order to determine if VOCs and SVOCs have impacted the groundwater beneath the subject property, resulting from adjacent NYSDEC Spill Nos. 99-25216 and 85-00426. Eight (8) groundwater samples (samples GW-1 through GW-8) were collected from boring locations SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7 and SB-8. Sample locations are depicted on Figure 2 in Attachment A. A summary of exceedances in groundwater is depicted on Figure Nos. 4 and 5 in Attachment A.

Groundwater at the subject property was encountered between five (5) and 11-feet bgs. To collect a representative groundwater sample in each boring location, a temporary monitoring well was installed utilizing the Geoprobe® direct push rig and was advanced down to a maximum of 20 feet bgs. Each 1-inch temporary well point was installed with 10 feet of schedule 40 PVC screening and at most 10-feet of schedule 40 PVC riser pipe. Re-usable drilling equipment was field decontaminated between uses. Factory-new, disposable polyethylene tubing equipped with a check valve was inserted into the screened interval of the temporary monitoring wells to develop (purge) the well which ensures groundwater that is representative of the surrounding aquifer. Depth to water (DTW) was measured using a decontaminated Solinst® oil/water interface probe. It should be noted that there was no standing product in any of the eight (8) temporary wells installed throughout the subject property. Groundwater samples were obtained using a peristaltic pump, and disposable silicone/polyethylene tubing. Groundwater was drawn to the surface and purged into a five-gallon bucket until turbidity was visibly reduced. Groundwater samples were collected directly into laboratory-supplied glassware, stored in ice-packed coolers and transported to Alpha under appropriate chain-of-custody protocols.

Groundwater samples were analyzed for the following:

- TCL VOCs using USEPA Method 8260
- TCL SVOCs using USEPA Method 8270

Groundwater sampling results were compared to the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 list of Ambient Water Quality Standards and Guidance Values (AWQSGVs) and Groundwater Effluent Limitations, June 1998. The

groundwater laboratory data is summarized in Table 4 in Attachment B, and the laboratory data sheets are provided in Attachment C[9].

A summary of findings along with laboratory data results is provided in the subsections, below.

2.3.1 Groundwater Sample GW-1

Temporary well location GW-1 was installed within soil boring SB-1, located within 10-feet to the north of the property boundary.

The GW-1 sample location consisted of a 1-inch temporary well point installed with 9.5-feet of schedule 40 PVC screening. The temporary well was advanced to the peat layer, located at approximately 9.5-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at eight-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, four (4) VOCs, specifically 1,2,4,5-tetramethylbenzene (27 micrograms per liter [µg/L]), benzene (6.4 µg/L), isopropylbenzene (5.7 µg/L) and n-propylbenzene (7.2 µg/L), were detected at concentrations above their respective AWQSGVs.

In addition, six (6) SVOCs, specifically benzo(a)anthracene (0.06 µg/L), benzo(a)pyrene (0.07 µg/L), benzo(b)fluoranthene (0.08 µg/L), benzo(k)fluoranthene (0.05 µg/L), chrysene (0.06 µg/L), and indenol(1,2,3-cd)pyrene (0.07 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.2 Groundwater Sample GW-2

Temporary well location GW-2 was installed within soil boring SB-2, located within 10-feet to the north of the property boundary.

The GW-2 sample location consisted of a 1-inch temporary well point installed with 12-feet of schedule 40 PVC screening. The temporary well was advanced to the peat

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[9] It should be noted that several VOCs, SVOCs and metals were identified in the laboratory analytical data in which laboratory MDLs were higher than their respective AWQSGVs. Thus, there is a potential for trace or minor concentrations of the respective VOCs, SVOCs and metals to be present in the samples above relevant standards. However, it should be noted that matrix interference in samples from non-target compounds and analytes can contribute to elevated MDLs and do not represent an exceedance of a standard.

layer, located at approximately 12-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at 10.5-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, 14 VOCs, specifically 1,1-dichloroethane (16 µg /L), 1,1-dichloroethene (9.6 µg/L), 1,2,4,5-tetramethylbenzene (68 µg /L), benzene (160 µg /L), cis-1,2-dichloroethene (3,700 µg/L), ethylbenzene (20 µg/L), isopropylbenzene (22 µg/L), methyl tert butyl ether (MTBE) (120 µg/L), naphthalene (35 µg/L), n-propylbenzene (32 µg/L), o-xylene (22 µg/L), p/m-xylene (26 µg/L), toluene (200 µg/L) and vinyl chloride (13,000 µg/L) were detected at concentrations above their respective AWQSGVs.

In addition, six (6) SVOCs, specifically benzo(a)anthracene (0.43 µg/L), benzo(a)pyrene (0.3 µg/L), benzo(b)fluoranthene (0.34 µg/L), benzo(k)fluoranthene (0.18 µg/L), chrysene (0.36 µg/L), and indenol(1,2,3-cd)pyrene (0.16 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.3 **Sample GW-3**

Temporary well location GW-3 was installed within soil boring SB-3, located within 10-feet to the north of the property boundary.

The GW-3 sample location consisted of a 1-inch temporary well point installed with nine-feet of schedule 40 PVC screening. The temporary well was advanced to the peat layer, located at approximately eight-to-10-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at 5.5-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, four (4) VOCs, specifically 1,2,4,5-tetramethylbenzene (9.9 µg /L), benzene (24 µg /L), MTBE (26 µg/L), and vinyl chloride (4.2 µg/L) were detected at concentrations above their respective AWQSGVs.

In addition, six (6) SVOCs, specifically benzo(a)anthracene (0.32 µg/L), benzo(a)pyrene (0.4 µg/L), benzo(b)fluoranthene (0.54 µg/L), benzo(k)fluoranthene (0.23 µg/L), chrysene (0.36 µg/L), and indenol(1,2,3-cd)pyrene (0.31 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.4 **Sample GW-4**

Temporary well location GW-4 was installed within soil boring SB-4, located within 10-feet to the north of the property boundary.

The GW-4 sample location consisted of a 1-inch temporary well point installed with six-feet of schedule 40 PVC screening. The temporary well was advanced to the peat layer, located at approximately six-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at five-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, four (4) VOCs, specifically benzene (3.7 µg/L), cis-1,2-dichloroethene (12 µg/L), MTBE (11 µg/L), and vinyl chloride (100 µg/L) were detected at concentrations above their respective AWQSGVs.

In addition, six (6) SVOCs, specifically benzo(a)anthracene (0.37 µg/L), benzo(a)pyrene (0.51 µg/L), benzo(b)fluoranthene (0.7 µg/L), benzo(k)fluoranthene (0.29 µg/L), chrysene (0.46 µg/L), and indenol(1,2,3-cd)pyrene (0.34 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.5 **Sample GW-5**

Temporary well location GW-5 was installed within soil boring SB-5, located 40-feet to the north of SB-1.

The GW-5 sample location consisted of a 1-inch temporary well point installed with 10-feet of schedule 40 PVC screening and 10-feet of schedule 40 PVC riser. The temporary well was advanced beyond the peat layer to approximately 20-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at 11-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, no VOCs were detected at concentrations above their respective AWQSGVs.

Six (6) SVOCs, specifically benzo(a)anthracene (0.28 µg/L), benzo(a)pyrene (0.27 µg/L), benzo(b)fluoranthene (0.4 µg/L), benzo(k)fluoranthene (0.14 µg/L), chrysene (0.27 µg/L), and indenol(1,2,3-cd)pyrene (0.26 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.6 **Sample GW-6**

Temporary well location GW-6 was installed within soil boring SB-6, located 40-feet to the north of SB-2.

The GW-6 sample location consisted of a 1-inch temporary well point installed with 10-feet of schedule 40 PVC screening and 10-feet of schedule 40 PVC riser. The temporary well was advanced beyond the peat layer to approximately 20-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at 10-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, no VOCs were detected at concentrations above their respective AWQSGVs.

In addition, five (5) SVOCs, specifically benzo(a)pyrene (0.02 µg/L), benzo(b)fluoranthene (0.03 µg/L), benzo(k)fluoranthene (0.02 µg/L), chrysene (0.02 µg/L), and indenol(1,2,3-cd)pyrene (0.02 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.7 **Sample GW-7**

Temporary well location GW-7 was installed within soil boring SB-7, located 40-feet to the north of SB-3.

The GW-7 sample location consisted of a 1-inch temporary well point installed with 10-feet of schedule 40 PVC screening and 10-feet of schedule 40 PVC riser. The temporary well was advanced beyond the peat layer to approximately 20-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at seven-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, one (1) VOC, specifically vinyl chloride (2.4 µg/L), was detected at a concentration slightly above its respective AWQSGV of 2 µg/L.

In addition, six (6) SVOCs, specifically benzo(a)anthracene (0.1 µg/L), benzo(a)pyrene (0.14 µg/L), benzo(b)fluoranthene (0.18 µg/L), benzo(k)fluoranthene (0.08 µg/L), chrysene (0.1 µg/L), and indenol(1,2,3-cd)pyrene (0.11 µg/L), were detected at concentrations exceeding their respective AWQSGVs.

2.3.8 Sample GW-8

Temporary well location GW-8 was installed within soil boring SB-8, located 40-feet to the north of SB-4.

The GW-8 sample location consisted of a 1-inch temporary well point installed with 10-feet of schedule 40 PVC screening and 10-feet of schedule 40 PVC riser. The temporary well was advanced beyond the peat layer to approximately 20-feet bgs. Using a Solinst® oil/water interface probe, groundwater was encountered at six-feet bgs. DTW measurements can be found on boring logs in Attachment D.

Sample Results

As indicated on Table 2 in Attachment B, no VOCs or SVOCs were detected at concentrations above their respective AWQSGVs.

2.4 Site Restoration

In accordance with the Site Investigation Work Plan, drill spoils from two-feet bgs and deeper, as well as all purge water were containerized in 55-gallon DOT-approved drums for off-site transport and disposal. A total of two drums of drill spoils and purge water were generated during the field activities. Both drums will be transported off-site by AARCO Environmental Services, Inc. (AARCO) to the Triumvirate facility in Queens, New York under appropriate manifesting procedures in May 2019.

All PVC was removed from the temporary monitoring wells and backfilled with hydrated bentonite clay from 20 feet bgs to above the peat layer. From the peat layer to two-feet bgs, clean sand was installed into the well column. The final two-feet of each temporary well was then backfilled with the upper two-feet of soil removed from each respective boring location to restore the boring to grade level.

3.0
Conclusions

Based on the results of the subsurface investigation performed by VHB and its subcontractors at the subject property, the following conclusions are presented herein:

Soil Investigation

VOCs were detected above UUSCOs in 10 of the 16 soil samples collected at the subject property. However, concentrations of VOCs were detected well below their respective RISCOs. It should be noted that VOCs were not detected at concentrations exceeding their respective UUSCOs in soil samples collected below the peat layer (SB-5 [16-20'], SB-6 [16-20'], SB-7 [16-20'] and SB-8 [16-20']).

SVOCs were detected above UUSCOs in two (2) of the 16 soil samples collected on the eastern portions of the subject property, specifically soil samples SB-2 (11') and SB-6 (3-7'). It should be noted that concentrations of SVOCs were detected well below their respective RISCOs, with the exception of benzo(a)pyrene. Benzo(a)pyrene was detected within soil samples SB-2 (11') and SB-6 (3-7') at concentrations of 1.2 mg/kg and 3.1 mg/kg, respectively, slightly exceeding their respective RISCO of 1.1 mg/kg.

Given the above results, on-site soils located proximate to the historic spills are impacted with elevated VOCs/CVOCs and/or SVOCs. The presence of elevated concentrations of VOCs/CVOCs and SVOCs in soil indicates impacts attributable to the adjacent releases at the Commander/Global terminal (NYSDEC Spill Nos. 99-25216 and 85-00426).

Groundwater

Based upon the results of the groundwater sampling, there were VOCs detected in five (5) out of the eight (8) temporary wells above AWQSGVs. VOCs were detected at their highest concentrations in temporary groundwater wells installed above the peat layer, including GW-2, GW-3 and GW-4. Furthermore, vinyl chloride was detected

slightly above its AWQSGV in groundwater sample GW-7, collected below the peat layer.

Several SVOCs were detected in seven (7) of the eight (8) groundwater samples above AWQSGVs.

Documented groundwater flow directions from the Commander/Global terminal indicate that groundwater above the peat layer flows to the east-southeast and that groundwater below the peat layer flows to the east-northeast. As indicated in Section 2.0 of this Off-Site SIR, no floating product (light non-aqueous phase liquid [LNAPL]) was identified within the eight (8) groundwater wells. All groundwater data indicates impacts related to dissolved oil and gasoline and their associated breakdown products (e.g., MTBE, BTEX, benzo[a]anthracene, etc.), as well as CVOCs previously documented at the adjacent Commander/Global terminal (e.g., 1,1-dichloroethane, vinyl chloride, etc.).

Groundwater wells GW-1 through GW-4 were installed within 10 feet of the property boundary and samples were collected from above the peat layer. These four (4) samples were also collected from the area closest to the highest reported concentrations of CVOCs (in particular vinyl chloride) and the CVOC source area at the Commander/Global terminal. Thus, it is not surprising to see that the highest detections of CVOCs were observed in three of the four samples collected at this depth and these locations. However, it is important to note that although vinyl chloride was detected in GW-1, the concentration of vinyl chloride in this sample (0.76 µg/L) was below its respective AWQSGV and is crossgradient of the source area. The highest concentrations of VOC/CVOC and SVOC impacts detected in groundwater during the off-site site investigation were associated with GW-2. Temporary well GW-2 was installed closest to the known source area at the Commander/Global terminal and downgradient; thus, these elevations are indicative of the known conditions at the nearby source area. However, GW-2 data indicates lower concentrations of VOCs/CVOCs and SVOCs than data reported within the source area groundwater samples collected on a quarterly basis at the Commander/Global terminal.

In general, petroleum (oil and gasoline) and CVOC impacts in groundwater were greatest in groundwater collected from above the peat layer (i.e., GW-1 through GW-4). One CVOC exceedance was detected in the groundwater sample collected below the peat layer; which was vinyl chloride in GW-7 that slightly exceeded the AWQGSV of 2 µg/L with a concentration of 2.4 µg/L. SVOC impacts related to fuel oil were noted below the peat layer in temporary wells GW-5, GW-6 and GW-7. No VOC/CVOC or SVOC exceedances were identified in the northeastern-most temporary groundwater well GW-8.

This Off-Site Site Investigation Report was prepared by:

Prepared by: Joseph Stressler
Project Scientist
VHB Engineering, Surveying, Landscape Architecture and Geology, P.C.

Signature: by: _____

Supervised by: Stephen Kaplan, PG
Director, OHM Services
VHB Engineering, Surveying, Landscape Architecture and Geology, P.C.

Signature: by: _____

STATE OF NEW YORK
STEPHEN KAPLAN
000164-1
LICENSED PROFESSIONAL GEOLOGIST

Attachment A
Figures

FIGURE 1 – SITE LOCATION MAP

SITE NAME: Flowers Property
STREET ADDRESS: 2 Bayview Avenue
MUNICIPALITY, STATE, ZIP: Oyster Bay, New York 11771
PROJECT NUMBER: 26183.01
SOURCE: United States Geological Survey:
Bayview, NY and Hicksville, NY Quadrangles

PROJECT NORTH

VHB Engineering
Surveying, Landscape Architecture & Geology, P.C.
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2 Bayview Avenue, Oyster Bay, NY

Figure Title

Proposed Off-Site Soil Borings

Scale	Project No.	Date
1"=40'	26183.01	5-16-19

Drawn By	Checked By	Page No.
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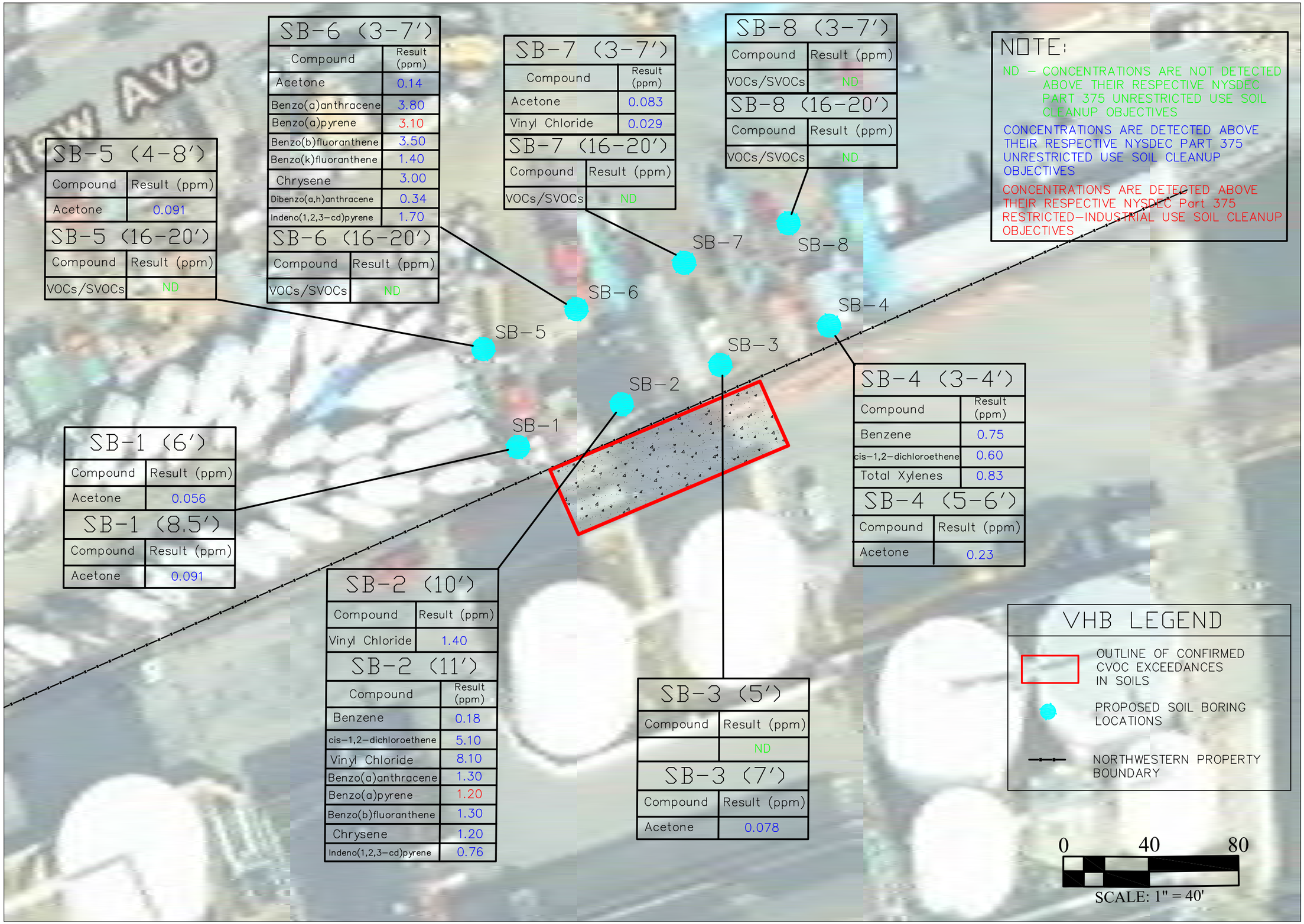
Figure No.

2



SB-5 (4-8')	
Compound	Result (ppm)
Acetone	0.091

SB-5 (16-20')	
Compound	Result (ppm)
VOCs/SVOCs	ND

SB-6 (3-7')	
Compound	Result (ppm)
Acetone	0.14
Benzo(a)anthracene	3.80
Benzo(a)pyrene	3.10
Benzo(b)fluoranthene	3.50
Benzo(k)fluoranthene	1.40
Chrysene	3.00
Dibenzo(a,h)anthracene	0.34
Indeno(1,2,3-cd)pyrene	1.70

SB-6 (16-20')	
Compound	Result (ppm)
VOCs/SVOCs	ND

SB-7 (3-7')	
Compound	Result (ppm)
Acetone	0.083
Vinyl Chloride	0.029

SB-7 (16-20')	
Compound	Result (ppm)
VOCs/SVOCs	ND

SB-8 (3-7')	
Compound	Result (ppm)
VOCs/SVOCs	ND

SB-8 (16-20')	
Compound	Result (ppm)
VOCs/SVOCs	ND

NOTE:

ND – CONCENTRATIONS ARE NOT DETECTED ABOVE THEIR RESPECTIVE NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

CONCENTRATIONS ARE DETECTED ABOVE THEIR RESPECTIVE NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

CONCENTRATIONS ARE DETECTED ABOVE THEIR RESPECTIVE NYSDEC Part 375 RESTRICTED-INDUSTRIAL USE SOIL CLEANUP OBJECTIVES

SB-1 (6')	
Compound	Result (ppm)
Acetone	0.056

SB-1 (8.5')	
Compound	Result (ppm)
Acetone	0.091

SB-2 (10')	
Compound	Result (ppm)
Vinyl Chloride	1.40

SB-2 (11')	
Compound	Result (ppm)
Benzene	0.18
cis-1,2-dichloroethene	5.10
Vinyl Chloride	8.10
Benzo(a)anthracene	1.30
Benzo(a)pyrene	1.20
Benzo(b)fluoranthene	1.30
Chrysene	1.20
Indeno(1,2,3-cd)pyrene	0.76

SB-3 (5')	
Compound	Result (ppm)
	ND

SB-3 (7')	
Compound	Result (ppm)
Acetone	0.078

SB-4 (3-4')	
Compound	Result (ppm)
Benzene	0.75
cis-1,2-dichloroethene	0.60
Total Xylenes	0.83

SB-4 (5-6')	
Compound	Result (ppm)
Acetone	0.23

VHB LEGEND

- OUTLINE OF CONFIRMED CVOC EXCEEDANCES IN SOILS
- PROPOSED SOIL BORING LOCATIONS
- NORTHWESTERN PROPERTY BOUNDARY

0 40 80

SCALE: 1" = 40'

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Figure Title

Spider Map of Soil Analytical Data

Scale	Project No.	Date
1"=40'	26183.01	5-16-19

Drawn By	Checked By	Page No.
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Figure No.

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NOTE:

CONCENTRATIONS ARE DETECTED ABOVE THEIR RESPECTIVE NYSDEC GROUNDWATER STANDARDS

SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
SB-7
SB-8

GW-1	
Compound	Result (ppb)
1,2,4,5-tetramethylbenzene	27.0
Benzene	6.40
Isopropylbenzene	5.70
Benzo(a)anthracene	0.06
Benzo(a)pyrene	0.07
Benzo(b)fluoranthene	0.08
Chrysene	0.06
Indeno(1,2,3-cd)pyrene	0.07

GW-2			
Compound	Result (ppb)	Compound	Result (ppb)
1,1-dichloroethane	16.0	o-xylene	22.0
1,1-dichloroethane	9.60	p/m-xylene	26.0
1,2,4,5-tetramethylbenzene	68.0	Vinyl Chloride	13,000
Benzene	160	Toluene	200
cis-1,2-dichloroethene	3,700	Benzo(a)anthracene	0.43
Ethylbenzene	20.0	Benzo(a)pyrene	0.30
Isopropylbenzene	22.0	Benzo(b)fluoranthene	0.34
MTBE	120	Benzo(k)fluoranthene	0.18
Naphthalene	35.0	Chrysene	0.36
n-propylbenzene	32.0	Indeno(1,2,3-cd)pyrene	0.16

GW-3	
Compound	Result (ppb)
1,2,4,5-tetramethylbenzene	9.90
Benzene	24.0
MTBE	26.0
Vinyl Choride	4.20
Benzo(a)anthracene	0.32
Benzo(a)pyrene	0.40
Benzo(b)fluoranthene	0.54
Benzo(k)fluoranthene	0.23
Chrysene	0.36
Indeno(1,2,3-cd)pyrene	0.31

GW-4	
Compound	Result (ppb)
Benzene	3.70
cis-1,2-dichloroethene	12.0
MTBE	11.0
Vinyl Choride	100
Benzo(a)anthracene	0.37
Benzo(a)pyrene	0.51
Benzo(b)fluoranthene	0.70
Benzo(k)fluoranthene	0.29
Chrysene	0.46
Indeno(1,2,3-cd)pyrene	0.34

VHB LEGEND

OUTLINE OF CONFIRMED CVOC EXCEEDANCES IN SOILS

PROPOSED SOIL BORING AND TEMPORARY WELL LOCATIONS

NORTHWESTERN PROPERTY BOUNDARY

0 40 80

SCALE: 1" = 40'

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Figure Title

Spider Map of Groundwater Analytical Data (Above Peat Layer)

Scale	Project No.	Date
1"=40'	26183.01	5-16-19

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Figure No.

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GW-6	
Compound	Result (ppb)
Benzo(a)pyrene	0.02
Benzo(b)fluoranthene	0.03
Benzo(k)fluoranthene	0.02
Chrysene	0.02
Indeno(1,2,3-cd)pyrene	0.02

GW-7	
Compound	Result (ppb)
Vinyl Chloride	2.40
Benzo(a)anthracene	0.10
Benzo(a)pyrene	0.14
Benzo(b)fluoranthene	0.18
Benzo(k)fluoranthene	0.08
Chrysene	0.10
Indeno(1,2,3-cd)pyrene	0.11

GW-8	
Compound	Result (ppm)
VOCs/SVOCs	ND

GW-5	
Compound	Result (ppb)
Benzo(a)anthracene	0.28
Benzo(a)pyrene	0.27
Benzo(b)fluoranthene	0.40
Benzo(k)fluoranthene	0.14
Chrysene	0.27
Indeno(1,2,3-cd)pyrene	0.26

NOTE:

ND – CONCENTRATIONS ARE DETECTED BELOW THEIR RESPECTIVE NYSDEC GROUNDWATER STANDARDS

CONCENTRATIONS ARE DETECTED ABOVE THEIR RESPECTIVE NYSDEC GROUNDWATER STANDARDS

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8

VHB LEGEND

- OUTLINE OF CONFIRMED CVOC EXCEEDANCES IN SOILS
- PROPOSED SOIL BORING AND TEMPORARY WELL LOCATIONS
- NORTHWESTERN PROPERTY BOUNDARY

0 40 80

SCALE: 1" = 40'

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Figure Title

Spider Map of Groundwater Analytical Data (Below Peat Layer)

Scale	Project No.	Date
1"=40'	26183.01	5-16-19

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Attachment B
Tables

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
TWO BAYVIEW AVENUE
OYSTER BAY, NEW YORK

Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Industrial	Sample ID																													
			SB-1 (6') 5/1/2019		SB-1 (8.5') 5/1/2019		SB-2 (10') 5/1/2019		SB-2 (11') 5/1/2019		SB-3 (5') 4/30/2019		SB-3 (7') 4/30/2019		SB-4 (3-4') 4/30/2019		SB-4 (5-6') 4/30/2019		SB-5 (4-8') 5/1/2019		SB-5 (16-20') 5/1/2019		SB-6 (3-7') 4/30/2019		SB-6 (16-20') 4/30/2019		SB-7 (3-7') 4/30/2019		SB-7 (16-20') 4/30/2019		SB-8 (3-7') 4/30/2019		SB-8 (16-20') 4/30/2019	
			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, TCL	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		mg/kg	
1,1,1,2-Tetrachloroethane	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
1,1,1-Trichloroethane	0.68	1,000	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
1,1,2,2-Tetrachloroethane	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
1,1,2-Trichloroethane	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,1-Dichloroethane	0.27	480.0	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	**0.4**	**U**	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,1-Dichloroethene	0.33	1,000	0.001	U	0.0011	U	0.055	U	0.025	J	0.0013	U	0.0011	U	**0.4**	**U**	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,1-Dichloropropene	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
1,2,3-Trichlorobenzene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,2,3-Trichloropropane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,2,4,5-Tetramethylbenzene	~	~	0.002	U	0.021		0.2		0.25		0.0026	U	0.0023	U	0.63	J	0.029		0.0033	U	0.0022	U	0.0003	J	0.0022	U	0.084		0.0022	U	0.0026	U	0.0029	U
1,2,4-Trichlorobenzene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,2,4-Trimethylbenzene	3.6	380	0.002	U	0.0022	U	0.11	U	0.064	J	0.0026	U	0.0023	U	0.31	J	0.011		0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,2-Dibromo-3-chloropropane	~	~	0.003	U	0.0033	U	0.16	U	0.26	U	0.0039	U	0.0034	U	1.2	U	0.0067	U	0.0049	U	0.0033	U	0.0031	U	0.0033	U	0.0032	U	0.0033	U	0.004	U	0.0044	U
1,2-Dibromoethane	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,2-Dichlorobenzene	1.1	1,000	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.00018	J	0.0022	U	0.0026	U	0.0029	U
1,2-Dichloroethane	0.02	60	0.001	U	0.0011	U	**0.055**	**U**	**0.086**	**U**	0.0013	U	0.0011	U	**0.4**	**U**	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,2-Dichloroethene, Total	~	~	0.001	U	0.00033	J	0.035	J	5.1		0.00059	J	0.0016		0.6		0.022	J	0.0016	U	0.0011	U	0.0056	J	0.0011	U	0.00092	J	0.0011	U	0.0083		0.0015	U
1,2-Dichloropropane	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
1,3,5-Trimethylbenzene	8.4	380	0.002	U	0.0022	U	0.11	U	0.018	J	0.0026	U	0.0023	U	0.8	U	0.0037	J	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0018	J	0.0022	U	0.0026	U	0.0029	U
1,3-Dichlorobenzene	2.4	560	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,3-Dichloropropane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,3-Dichloropropene, Total	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
1,4-Dichlorobenzene	1.8	250	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
1,4-Dioxane	0.1	250	0.081	U	0.087	U	**4.4**	**U**	**6.8**	**U**	**0.1**	**U**	0.092	U	**32**	**U**	**0.18**	**U**	**0.13**	**U**	0.087	U	0.082	U	0.088	U	0.085	U	0.087	U	**0.1**	**U**	**0.12**	**U**
2,2-Dichloropropane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
2-Butanone	0.12	1000	0.0066	J	0.011	U	**0.55**	**U**	**0.86**	**U**	0.013	U	0.006	J	**4.00**	**U**	0.06		0.008	J	0.011	U	0.024		0.011	U	0.019		0.011	U	0.013	U	0.015	U
2-Hexanone	~	~	0.01	U	0.011	U	0.55	U	0.86	U	0.013	U	0.011	U	4.00	U	0.022	U	0.016	U	0.011	U	0.01	U	0.011	U	0.011	U	0.011	U	0.013	U	0.015	U
4-Methyl-2-pentanone	~	~	0.01	U	0.011	U	0.55	U	0.86	U	0.013	U	0.011	U	4.00	U	0.022	U	0.016	U	0.011	U	0.01	U	0.011	U	0.011	U	0.011	U	0.013	U	0.015	U
Acetone	0.05	1000	**0.056**		**0.091**		**0.55**	**U**	**0.86**	**U**	0.023		**0.078**		**4.00**	**U**	**0.23**		**0.091**		0.012		**0.14**		0.011	U	**0.083**		0.013		0.013	U	0.015	U
Acrylonitrile	~	~	0.004	U	0.0044	U	0.22	U	0.34	U	0.0052	U	0.0046	U	1.6	U	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0043	U	0.0044	U	0.0053	U	0.0058	U
Benzene	0.06	89	0.00051	U	0.00082		0.027	J	**0.18**		0.00065	U	0.0003	J	**0.75**		0.042		0.00082	U	0.00054	U	0.003		0.00055	U	0.021		0.00054	U	0.00066	U	0.00073	U
Bromobenzene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Bromochloromethane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Bromodichloromethane	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
Bromoform	~	~	0.004	U	0.0044	U	0.22	U	0.34	U	0.0052	U	0.0046	U	1.6	U	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0043	U	0.0044	U	0.0053	U	0.0058	U
Bromomethane	~	~	0.002	U	0.0022	U	0.069	J	0.11	J	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Carbon disulfide	~	~	0.01	U	0.011	U	0.55	U	0.86	U	0.013	U	0.011	U	4	U	0.018	J	0.016	U	0.011	U	0.01	U	0.011	U	0.011	U	0.011	U	0.013	U	0.015	U
Carbon tetrachloride	0.76	44	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
Chlorobenzene	1.1	1000	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00014	J	0.00054	U	0.00066	U	0.00073	U
Chloroethane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Chloroform	0.37	700	0.0015	U	0.0016	U	0.082	U	0.13	U	0.0019	U	0.0017	U	**0.6**	**U**	0.0034	U	0.0025	U	0.0016	U	0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.002	U	0.0022	U
Chloromethane	~	~	0.004	U	0.0044	U	0.22	U	0.34	U	0.0052	U	0.0046	U	1.6	U	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0043	U	0.0044	U	0.0053	U	0.0058	U
cis-1,2-Dichloroethene	0.25	1000	0.001	U	0.00033	J	0.035	J	**5.1**		0.00059	J	0.0016		**0.6**		0.021		0.0016	U	0.0011	U	0.0048		0.0011	U	0.00092	J	0.0011	U	0.0083		0.0015	U
cis-1,3-Dichloropropene	~	~	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
Dibromochloromethane	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
Dibromomethane	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Dichlorodifluoromethane	~	~	0.01	U	0.011	U	0.55	U	0.86	U	0.013	U	0.011	U	4	U	0.022	U	0.016	U	0.011	U	0.01	U	0.011	U	0.011	U	0.011	U	0.013	U	0.015	U
Ethyl ether	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
Ethylbenzene	1	780	0.001	U	0.0011	U	0.019	J	0.056	J	0.0013	U	0.0011	U	0.35	J	0.0012	J	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.00034	J	0.0011	U	0.0013	U	0.0015	U
Hexachlorobutadiene	~	~	0.004	U	0.0044	U	0.22	U	0.34	U	0.0052	U	0.0046	U	1.6	U	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0043	U	0.0044	U	0.0053	U	0.0058	U
Isopropylbenzene	~	~	0.001	U	0.0018		0.03	J	0.047	J	0.0013	U	0.0011	U	0.1	J	0.0074		0.0016	U	0.0011	U	0.0017		0.0011	U	0.02		0.0011	U	0.0013	U	0.0015	U
Methyl tert butyl ether	0.93	1000	0.002	U	0.0022	U	0.11	U	0.018	J	0.0026	U	0.00027	J	0.1	J	0.0091		0.0033	U	0.0022	U	0.0049		0.0022	U	0.0036		0.0022	U	0.0026	U	0.0029	U
Methylene chloride	0.05	1000	0.0051	U	0.0031	J	**0.28**	**U**	**0.43**	**U**	0.0065	U	0.0057	U	**2**	**U**	0.011	U	0.005	J	0.0054	U	0.0051	U	0.0055	U	0.0027	J	0.0054	U	0.0066	U	0.0073	U
Naphthalene	12	1000	0.004	U	0.0044	U	0.21	J	0.13	J	0.0052	U	0.0046	U	0.61	J	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0052		0.0044	U	0.0053	U	0.0058	U
n-Butylbenzene	12	1000	0.001	U	0.0014		0.064		0.074	J	0.0013	U	0.0011	U	0.074	J	0.002	J	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0093		0.0011	U	0.0013	U	0.0015	U
n-Propylbenzene	3.9	1000	0.001	U	0.0022		0.07		0.11		0.0013	U	0.0011	U	0.2	J	0.0029		0.0016	U	0.0011	U	0.001	U	0.0011	U	0.016		0.0011	U	0.0013	U	0.0015	U
o-Chlorotoluene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.0015	J	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
o-Xylene	~	~	0.001	U	0.0011	U	0.055	U	0.026	J	0.0013	U	0.0011	U	0.23	J	0.01		0.0016	U	0.0011	U	0.00072	J	0.0011	U	0.0046		0.0011	U	0.0013	U	0.0015	U
p/m-Xylene	~	~	0.002	U	0.0022	U	0.11	U	0.072	J	0.0026	U	0.0023	U	0.6	J	0.007		0.0033	U	0.0022	U	0.00058	J	0.0022	U	0.0056		0.0022	U	0.0026	U	0.0029	U
p-Chlorotoluene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0045	U	0.0033	U	0.0022	U	0.0002	J	0.0022	U	0.0021	U	0.0022	U	0.0026	U	0.0029	U
p-Diethylbenzene	~	~	0.002	U	0.0026		0.039	J	0.056	J	0.0026	U	0.0023	U	0.14	J	0.0051		0.0033	U	0.0022	U	0.00025	J	0.0022	U	0.0043		0.0022	U	0.0026	U	0.0029	U
p-Ethyltoluene	~	~	0.002	U	0.0022	U	0.11	U	0.17	U	0.0026	U	0.0023	U	0.19	J	0.0027	J	0.0033	U	0.0022	U	0.002	U	0.0022	U	0.0012	J	0.0022	U	0.0026	U	0.0029	U
p-Isopropyltoluene	~	~	0.001	U	0.0011	U	0.016	J	0.017	J	0.0013	U	0.0011	U	0.4	U	0.0006	J	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
sec-Butylbenzene	11	1000	0.001	U	0.0034		0.044	J	0.066	J	0.0013	U	0.0011	U	0.14	J	0.011		0.0016	U	0.0011	U	0.00048	J	0.0011	U	0.026		0.0011	U	0.0013	U	0.0015	U
Styrene	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
tert-Butylbenzene	5.9	1000	0.002	U	0.00091	J	0.11	U	0.17	U	0.0026	U	0.0023	U	0.8	U	0.0017	J	0.0033	U	0.0022	U	0.00059	J	0.0022	U	0.0048		0.0022	U	0.0026	U	0.0029	U
Tetrachloroethene	1.3	300	0.00051	U	0.00054	U	0.028	U	0.043	U	0.00065	U	0.00057	U	0.2	U	0.0011	U	0.00082	U	0.00054	U	0.00051	U	0.00055	U	0.00053	U	0.00054	U	0.00066	U	0.00073	U
Toluene	0.7	1000	0.001	U	0.0011	U	0.096		0.33		0.0013	U	0.00064	J	0.48		0.0038		0.0016	U	0.0011	U	0.001	U	0.0011	U	0.002		0.0011	U	0.0013	U	0.0015	U
trans-1,2-Dichloroethene	0.19	1000	0.0015	U	0.0016	U	0.082	U	0.13	U	0.0019	U	0.0017	U	0.6	U	0.00069	J	0.0025	U	0.0016	U	0.00081	J	0.0016	U	0.0016	U	0.0016	U	0.002	U	0.0022	U
trans-1,3-Dichloropropene	~	~	0.001	U	0.0011	U	0.055	U	0.086	U	0.0013	U	0.0011	U	0.4	U	0.0022	U	0.0016	U	0.0011	U	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.0013	U	0.0015	U
trans-1,4-Dichloro-2-butene	~	~	0.0051	U	0.0054	U	0.28	U	0.43	U	0.0065	U	0.0057	U	2	U	0.011	U	0.0082	U	0.0054	U	0.0051	U	0.0055	U	0.0053	U	0.0054	U	0.0066	U	0.0073	U
Trichloroethene	0.47	400	0.00051	U	0.00054	U	0.028	U	0.089		0.00065	U	0.00057	U	0.058	J	0.0013		0.00082	U	0.00054	U	0.0033		0.00055	U	0.00053	U	0.00054	U	0.00021	J	0.00073	U
Trichlorofluoromethane	~	~	0.004	U	0.0044	U	0.22	U	0.34	U	0.0052	U	0.0046	U	1.6	U	0.009	U	0.0066	U	0.0044	U	0.0041	U	0.0044	U	0.0043	U	0.0044	U	0.0053	U	0.0058	U
Vinyl acetate	~	~	0.01	U	0.011	U	0.55	U	0.86	U	0.013	U	0.011	U	4	U	0.022	U	0.016	U	0.011	U	0.01	U	0.011	U	0.011	U	0.011	U	0.013	U	0.015	U
Vinyl chloride	0.02	27	0.00062	J	0.0013		**1.4**		**8.1**		0.0013	U	0.00055	J	**0.4**	**U**	0.0018	J	0.00065	J	0.00048	J	0.001	U	0.0011	U	**0.029**		0.0011	U	0.0015		0.0015	U
Xylenes, Total	0.26	1000	0.001	U	0.0011	U	0.055	U	0.098	J	0.0013	U	0.0011	U	**0.83**	**J**	0.017		0.0016	U	0.0011	U	0.0013	J	0.0011	U	0.01		0.0011	U	0.0013	U	0.0015	U
Semi-Volatiles, TCL	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		mg/Kg	
1,2,4,5-Tetrachlorobenzene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
1,2,4-Trichlorobenzene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
1,2-Dichlorobenzene	1.1	1000	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
1,3-Dichlorobenzene	2.4	560	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
1,4-Dichlorobenzene	1.8	250	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2,4,5-Trichlorophenol	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2,4,6-Trichlorophenol	~	~	0.12	U	0.11	U	0.12	U	0.13	U	0.13	U	0.11	U	0.15	U	0.13	U	0.11	U	0.11	U	0.13	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U
2,4-Dichlorophenol	~	~	0.18	U	0.17	U	0.17	U	0.19	U	0.19	U	0.16	U	0.22	U	0.2	U	0.17	U	0.17	U	0.2	U	0.17	U	0.18	U	0.16	U	0.18	U	0.16	U
2,4-Dimethylphenol	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
TWO BAYVIEW AVENUE
OYSTER BAY, NEW YORK

Compound	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Industrial	Sample ID																													
			SB-1 (6') 5/1/2019		SB-1 (8.5') 5/1/2019		SB-2 (10') 5/1/2019		SB-2 (11') 5/1/2019		SB-3 (5') 4/30/2019		SB-3 (7') 4/30/2019		SB-4 (3-4') 4/30/2019		SB-4 (5-6') 4/30/2019		SB-5 (4-8') 5/1/2019		SB-5 (16-20') 5/1/2019		SB-6 (3-7') 4/30/2019		SB-6 (16-20') 4/30/2019		SB-7 (3-7') 4/30/2019		SB-7 (16-20') 4/30/2019		SB-8 (3-7') 4/30/2019		SB-8 (16-20') 4/30/2019	
			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2,4-Dinitrophenol	~	~	0.9	U	0.9	U	0.9	U	1.0	U	1.0	U	0.86	U	1.2	U	1.1	U	0.88	U	0.92	U	1	U	0.89	U	0.96	U	0.86	U	0.99	U	0.86	U
2,4-Dinitrotoluene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2,6-Dinitrotoluene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2-Chloronaphthalene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2-Chlorophenol	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2-Methylnaphthalene	~	~	0.037	J	0.22	U	0.53		0.42		0.26	U	0.22	U	0.3	U	0.13	J	0.22	U	0.23	U	0.34		0.22	U	0.24	U	0.21	U	0.033	J	0.21	U
2-Methylphenol	0.33	1000	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2-Nitroaniline	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
2-Nitrophenol	~	~	0.42	U	0.4	U	0.41	U	0.46	U	0.46	U	0.39	U	0.53	U	0.48	U	0.4	U	0.41	U	0.47	U	0.4	U	0.43	U	0.39	U	0.44	U	0.38	U
3,3'-Dichlorobenzidine	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	1000	0.28	U	0.27	U	0.28	U	0.068	J	0.31	U	0.26	U	**0.36**	**U**	0.32	U	0.26	U	0.27	U	0.048	J	0.27	U	0.29	U	0.26	U	0.3	U	0.26	U
3-Nitroaniline	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
4,6-Dinitro-o-cresol	~	~	0.51	U	0.48	U	0.5	U	0.56	U	0.56	U	0.47	U	0.64	U	0.58	U	0.48	U	0.5	U	0.57	U	0.48	U	0.52	U	0.46	U	0.53	U	0.46	U
4-Bromophenyl phenyl ether	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
4-Chloroaniline	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
4-Chlorophenyl phenyl ether	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
4-Nitroaniline	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
4-Nitrophenol	~	~	0.27	U	0.26	U	0.27	U	0.3	U	0.3	U	0.25	U	0.35	U	0.31	U	0.26	U	0.27	U	0.3	U	0.26	U	0.28	U	0.25	U	0.29	U	0.25	U
Acenaphthene	20	1000	0.16	U	0.023	J	0.064	J	0.083	J	0.17	U	0.14	U	0.2	U	0.048	J	0.15	U	0.15	U	1.1		0.15	U	0.16	U	0.14	U	0.049	J	0.14	U
Acenaphthylene	100	1000	0.16	U	0.15	U	0.03	J	0.12	J	0.17	U	0.14	U	0.2	U	0.18	U	0.15	U	0.15	U	0.55		0.15	U	0.16	U	0.14	U	0.093	J	0.14	U
Acetophenone	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Anthracene	100	1000	0.12	U	0.11	U	0.12	U	0.25		0.13	U	0.11	U	0.056	J	0.062	J	0.11	U	0.11	U	2.6		0.11	U	0.12	U	0.11	U	0.14		0.11	U
Benzo(a)anthracene	1	11	0.061	J	0.11	U	0.027	J	**1.3**		0.13	U	0.022	J	0.2		0.11	J	0.11		0.11	U	**3.8**		0.11	U	0.071	J	0.11	U	0.31		0.11	U
Benzo(a)pyrene	1	1.1	0.062	J	0.15	U	0.15	U	**1.2**		0.17	U	0.14	U	0.17	J	0.11	J	0.12	J	0.15	U	**3.1**		0.15	U	0.069	J	0.14	U	0.33		0.14	U
Benzo(b)fluoranthene	1	11	0.096	J	0.11	U	0.12	U	**1.3**		0.13	U	0.036	J	0.23		0.14		0.16		0.11	U	**3.5**		0.11	U	0.084	J	0.11	U	0.44		0.11	U
Benzo(ghi)perylene	100	1000	0.05	J	0.15	U	0.15	U	0.82		0.17	U	0.021	J	0.1	J	0.069	J	0.088	J	0.15	U	1.5		0.15	U	0.047	J	0.14	U	0.21		0.14	U
Benzo(k)fluoranthene	0.8	110	0.12	U	0.11	U	0.12	U	0.49		0.13	U	0.11	U	0.085	J	0.054	J	0.057	J	0.11	U	**1.4**		0.11	U	0.12	U	0.11	U	0.18		0.11	U
Benzoic Acid	~	~	0.63	U	0.6	U	0.62	U	0.7	U	0.7	U	0.58	U	0.8	U	0.72	U	0.6	U	0.62	U	0.7	U	0.6	U	0.65	U	0.58	U	0.67	U	0.58	U
Benzyl Alcohol	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Biphenyl	~	~	0.45	U	0.42	U	0.44	U	0.49	U	0.49	U	0.41	U	0.56	U	0.51	U	0.42	U	0.43	U	0.15	J	0.42	U	0.46	U	0.41	U	0.47	U	0.41	U
Bis(2-chloroethoxy)methane	~	~	0.21	U	0.2	U	0.21	U	0.23	U	0.23	U	0.19	U	0.27	U	0.24	U	0.2	U	0.21	U	0.24	U	0.2	U	0.22	U	0.19	U	0.22	U	0.19	U
Bis(2-chloroethyl)ether	~	~	0.18	U	0.17	U	0.17	U	0.19	U	0.19	U	0.16	U	0.22	U	0.2	U	0.17	U	0.17	U	0.2	U	0.17	U	0.18	U	0.16	U	0.18	U	0.16	U
Bis(2-chloroisopropyl)ether	~	~	0.23	U	0.22	U	0.23	U	0.26	U	0.26	U	0.22	U	0.3	U	0.27	U	0.22	U	0.23	U	0.26	U	0.22	U	0.24	U	0.21	U	0.25	U	0.21	U
Bis(2-ethylhexyl)phthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.081	J	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Butyl benzyl phthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Carbazole	~	~	0.2	U	0.19	U	0.19	U	0.042	J	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.8		0.18	U	0.2	U	0.18	U	0.063	J	0.18	U
Chrysene	1	110	0.064	J	0.11	U	0.021	J	**1.2**		0.13	U	0.025	J	0.2		0.11	J	0.12		0.11	U	**3.0**		0.11	U	0.068	J	0.11	U	0.4		0.11	U
Dibenzo(a,h)anthracene	0.33	1.1	0.12	U	0.11	U	0.12	U	0.13		0.13	U	0.11	U	0.15	U	0.13	U	0.11	U	0.11	U	**0.34**		0.11	U	0.12	U	0.11	U	0.048	J	0.11	U
Dibenzofuran	7	1000	0.2	U	0.19	U	0.062	J	0.063	J	0.21	U	0.18	U	0.25	U	0.03	J	0.18	U	0.19	U	0.95		0.18	U	0.2	U	0.18	U	0.046	J	0.18	U
Diethyl phthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Dimethyl phthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Di-n-butylphthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Di-n-octylphthalate	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Fluoranthene	100	1000	0.13		0.11	U	0.064	J	1.8		0.13	U	0.04	J	0.43		0.3		0.22		0.11	U	6.1		0.11	U	0.13		0.11	U	0.98		0.11	U
Fluorene	30	1000	0.2	U	0.035	J	0.12	J	0.12	J	0.21	U	0.18	U	0.25	U	0.057	J	0.18	U	0.19	U	1.6		0.18	U	0.2	U	0.18	U	0.057	J	0.18	U
Hexachlorobenzene	0.33	12	0.12	U	0.11	U	0.12	U	0.13	U	0.13	U	0.11	U	0.15	U	0.13	U	0.11	U	0.11	U	0.13	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U
Hexachlorobutadiene	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Hexachlorocyclopentadiene	~	~	0.56	U	0.53	U	0.55	U	0.62	U	0.61	U	0.51	U	0.71	U	0.64	U	0.53	U	0.54	U	0.62	U	0.53	U	0.57	U	0.51	U	0.59	U	0.51	U
Hexachloroethane	~	~	0.16	U	0.15	U	0.15	U	0.17	U	0.17	U	0.14	U	0.2	U	0.18	U	0.15	U	0.15	U	0.17	U	0.15	U	0.16	U	0.14	U	0.16	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	11	0.1	J	0.15	U	0.068	J	**0.76**		0.17	U	0.14	U	0.11	J	0.074	J	0.13	J	0.15	U	**1.7**		0.15	U	0.048	J	0.14	U	0.22		0.14	U
Isophorone	~	~	0.18	U	0.17	U	0.17	U	0.19	U	0.19	U	0.16	U	0.22	U	0.2	U	0.17	U	0.17	U	0.2	U	0.17	U	0.18	U	0.16	U	0.18	U	0.16	U
Naphthalene	12	1000	0.2	U	0.19	U	0.046	J	0.24		0.21	U	0.18	U	0.25	U	0.066	J	0.18	U	0.19	U	0.5		0.18	U	0.2	U	0.18	U	0.067	J	0.18	U
NDPA/DPA	~	~	0.16	U	0.15	U	0.15	U	0.17	U	0.17	U	0.14	U	0.2	U	0.18	U	0.15	U	0.15	U	0.17	U	0.15	U	0.16	U	0.14	U	0.16	U	0.14	U
Nitrobenzene	~	~	0.18	U	0.17	U	0.17	U	0.19	U	0.19	U	0.16	U	0.22	U	0.2	U	0.17	U	0.17	U	0.2	U	0.17	U	0.18	U	0.16	U	0.18	U	0.16	U
n-Nitrosodi-n-propylamine	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
p-Chloro-m-cresol	~	~	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.22	U	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Pentachlorophenol	0.8	55	0.16	U	0.15	U	0.15	U	0.17	U	0.17	U	0.14	U	0.2	U	0.18	U	0.15	U	0.15	U	0.17	U	0.15	U	0.16	U	0.14	U	0.16	U	0.14	U
Phenanthrene	100	1000	0.078	J	0.034	J	0.25		0.61		0.13	U	0.11	U	0.19		0.3		0.1	J	0.11	U	6.7		0.11	U	0.06	J	0.11	U	0.73		0.11	U
Phenol	0.33	1000	0.2	U	0.19	U	0.19	U	0.22	U	0.21	U	0.18	U	0.25	U	0.22	U	0.18	U	0.19	U	0.036	J	0.18	U	0.2	U	0.18	U	0.2	U	0.18	U
Pyrene	100	1000	0.1	J	0.11	U	0.058	J	2.3		0.13	U	0.038	J	0.36		0.25		0.19		0.11	U	5.8		0.11	U	0.12		0.11	U	0.81		0.11	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte
Analyte was detected above NYSDEC Part 375 Unrestricted Soil Cleanup Objective
Analyte was detected above NYSDEC Part 375 Restricted Soil Cleanup Objective (Industrial)
Bold = MDLs are above regulatory standards

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
TWO BAYVIEW AVENUE
OYSTER BAY, NEW YORK

Compound	NYSDEC TOGS Standards and Guidance Values - GA	Sample ID															
		GW-1 5/1/2019		GW-2 5/1/2019		GW-3 4/30/2019		GW-4 4/30/2019		GW-5 5/1/2019		GW-6 4/30/2019		GW-7 4/30/2019		GW-8 4/30/2019	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	**10**	**U**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	**1.5**	**U**	**30**	**U**	**1.5**	**U**	**1.5**	**U**	**1.5**	**U**	**1.5**	**U**	**1.5**	**U**	**1.5**	**U**
1,1-Dichloroethane	5	2.5	U	**16**	**J**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	**9.6**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	**2.5**	**U**	**50**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**
1,2,4,5-Tetramethylbenzene	5	**27**		**68**		**9.9**		1.2	J	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	**2.5**	**U**	**50**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**
1,2-Dibromoethane	0.0006	**2**	**U**	**40**	**U**	**2.0**	**U**	**2.0**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**
1,2-Dichlorobenzene	3	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	1	0.5	U	**10**	**U**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	~	0.72	J	3,700		1	J	13	J	2.5	U	2.1	J	1.8	J	2.5	U
1,2-Dichloropropane	1	**1**	**U**	**20**	**U**	**1**	**U**	**1**	**U**	**1**	**U**	**1**	**U**	**1**	**U**	**1**	**U**
1,3,5-Trimethylbenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	~	0.5	U	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	~	250	U	5000	U	250	U	250	U	250	U	250	U	250	U	250	U
2,2-Dichloropropane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	**100**	**U**	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	**100**	**U**	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	~	5	U	100	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	**100**	**U**	3.7	J	4.5	J	1.6	J	1.8	J	1.6	J	5	U
Acrylonitrile	5	**5**	**U**	**100**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
Benzene	1	**6.4**		**160**		**24**		**3.7**		0.5	U	0.23	J	0.4	J	0.5	U
Bromobenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	40	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	5	U	**100**	**U**	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	**10**	**U**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	~	2.5	U	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	0.72	J	**3,700**		1	J	**12**		2.5	U	2.1	J	1.8	J	2.5	U
cis-1,3-Dichloropropene	0.4	**0.5**	**U**	**10**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**
Dibromochloromethane	50	0.5	U	10	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	**5**	**U**	**100**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
Dichlorodifluoromethane	5	**5**	**U**	**100**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
Ethyl ether	~	2.5	U	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	**20**	**J**	1.5	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	1	**2.5**	**U**	**50**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**	**2.5**	**U**
Isopropylbenzene	5	**5.7**		**22**	**J**	4.1		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.2	J	**120**		**26**		**11**		1.8	J	2.8		2.3	J	1.1	J
Methylene chloride	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	**35**	**J**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	1.8	J	**50**	**U**	0.78	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
TWO BAYVIEW AVENUE
OYSTER BAY, NEW YORK

Compound	NYSDEC TOGS Standards and Guidance Values - GA	Sample ID															
		GW-1 5/1/2019		GW-2 5/1/2019		GW-3 4/30/2019		GW-4 4/30/2019		GW-5 5/1/2019		GW-6 4/30/2019		GW-7 4/30/2019		GW-8 4/30/2019	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
n-Propylbenzene	5	**7.2**		**32**	**J**	3.7		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	2.5	U	**22**	**J**	2.2	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	**26**	**J**	1.5	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	~	3.6		40	U	1.3	J	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	~	2	U	40	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	3.5		**50**	**U**	1.9	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	930	2.5	U	50	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	1.2	J	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	0.5	U	**10**	**U**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.2	J
Toluene	5	2.5	U	**200**		1.1	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	**50**	**U**	2.5	U	1.3	J	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	**0.5**	**U**	**10**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**
trans-1,4-Dichloro-2-butene	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.5	U	**10**	**U**	0.5	U	0.18	J	0.5	U	0.43	J	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	**50**	**U**	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	~	5	U	100	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	0.76	J	**13,000**	**E**	**4.2**		**100**		0.19	J	1.7		**2.4**		0.79	J
Xylenes, Total	~	2.5	U	48	J	3.7	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Semi-Volatiles, 8270 - Comprehensive	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,2,4-Trichlorobenzene	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
1,2,4,5-Tetrachlorobenzene	5	**10**	**U**	**10**	**U**	**10**	**U**	**10**	**U**	**10**	**U**	**10**	**U**	**10**	**U**	**10**	**U**
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	2	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
2,4-Dimethylphenol	2	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
2,4-Dinitrophenol	2	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**
2,4-Dinitrotoluene	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
2,6-Dinitrotoluene	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
2-Chloronaphthalene	10	0.2	U	0.2	U	0.08	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Chlorophenol	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylnaphthalene	~	0.35		80	E	0.06	J	0.21		0.03	J	0.1	U	0.03	J	0.1	U
2-Methylphenol	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
2-Nitrophenol	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
3-Methylphenol/4-Methylphenol	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
4,6-Dinitro-o-cresol	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
4-Chlorophenyl phenyl ether	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
4-Nitrophenol	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acenaphthene	20	1.8		6.2		1.4		1.1		0.16		0.1		0.09	J	0.1	U
Acenaphthylene	~	0.34		1.7		0.27		0.12		0.06	J	0.1	U	0.03	J	0.1	U
Acetophenone	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Anthracene	50	0.06	J	0.7		0.1		0.11		0.07	J	0.1	U	0.03	J	0.1	U
Benzo(a)anthracene	0.002	**0.06**	**J**	**0.43**		**0.32**		**0.37**		**0.28**		**0.1**	**U**	**0.1**	**J**	**0.1**	**U**
Benzo(a)pyrene	0.002	**0.07**	**J**	**0.3**		**0.4**		**0.51**		**0.27**		**0.02**	**J**	**0.14**		**0.1**	**U**
Benzo(b)fluoranthene	0.002	**0.08**	**J**	**0.34**		**0.54**		**0.7**		**0.4**		**0.03**	**J**	**0.18**		**0.1**	**U**

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
TWO BAYVIEW AVENUE
OYSTER BAY, NEW YORK

Compound	NYSDEC TOGS Standards and Guidance Values - GA	Sample ID															
		GW-1 5/1/2019		GW-2 5/1/2019		GW-3 4/30/2019		GW-4 4/30/2019		GW-5 5/1/2019		GW-6 4/30/2019		GW-7 4/30/2019		GW-8 4/30/2019	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Benzo(ghi)perylene	~	0.08	J	0.13		0.26		0.29		0.26		0.02	J	0.1	J	0.1	U
Benzo(k)fluoranthene	0.002	**0.05**	**J**	**0.18**		**0.23**		**0.29**		**0.14**		**0.02**	**J**	**0.08**	**J**	**0.1**	**U**
Benzoic Acid	~	50	U	50	U	**50**	**U**	**50**	**U**	**50**	**U**	**50**	**U**	**50**	**U**	**50**	**U**
Benzyl Alcohol	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**	**5**	**U**
Bis(2-chloroethyl)ether	1	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	~	2	U	1.1	J	2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	0.002	**0.06**	**J**	**0.36**		**0.36**		**0.46**		**0.27**		**0.02**	**J**	**0.1**		**0.1**	**U**
Dibenzo(a,h)anthracene	~	0.03	J	0.03	J	0.06	J	0.06	J	0.05	J	0.1	U	0.02	J	0.1	U
Dibenzofuran	~	2	U	4.2		2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-butylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Fluoranthene	50	0.14		1.3		0.7		0.92		0.46		0.03	J	0.15		0.02	J
Fluorene	50	1.1		8.6		0.81		0.23		0.02	J	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	0.04	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**	**0.8**	**U**
Hexachlorobutadiene	0.5	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**	**0.5**	**U**
Hexachlorocyclopentadiene	5	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**	**20**	**U**
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	**0.07**	**J**	**0.16**		**0.31**		**0.34**		**0.26**		**0.02**	**J**	**0.11**		**0.1**	**U**
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Naphthalene	10	0.26		6.4		0.18		0.14		0.06	J	0.1	U	0.1	U	0.1	U
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	0.4	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**	**2**	**U**
n-Nitrosodi-n-propylamine	~	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
p-Chloro-m-cresol	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Pentachlorophenol	2	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Phenanthrene	50	0.32		12		0.32		0.53		0.21		0.1	U	0.07	J	0.1	U
Phenol	2	**5**	**U**	**5**	**U**	0.32		0.53		**5**	**U**	0.1	U	0.07	J	0.1	U
Pyrene	50	0.1		1.1		0.6		0.8		0.44		0.04	J	0.16		0.02	J

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Bold Analyte was detected above NYSDEC TOGS Standards and Guidance Values
Bold = MDLs are above regulatory standards

Attachment C
Laboratory Data Sheets

ANALYTICAL REPORT

Lab Number:	L1918035
Client:	VHB Engineering, Surveying and Landscape 100 Motor Parkway Suite 135 Hauppauge, NY 11788
ATTN:	Steve Kaplan
Phone:	(631) 234-3444
Project Name:	COMMANDER (OFF-SITE)
Project Number:	26183.01
Report Date:	05/14/19

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

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

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1918035-01	SB-3 (5')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 11:30	05/01/19
L1918035-02	SB-3 (7')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 12:10	05/01/19
L1918035-03	GW-3	WATER	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 11:50	05/01/19
L1918035-04	SB-4 (3-4')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 09:45	05/01/19
L1918035-05	SB-4 (5-6')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 10:00	05/01/19
L1918035-06	GW-4	WATER	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 10:45	05/01/19
L1918035-07	SB-6 (3-7)	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 12:10	05/01/19
L1918035-08	SB-6 (16-20)	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 12:25	05/01/19
L1918035-09	GW-6	WATER	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 12:45	05/01/19
L1918035-10	SB-7 (3-7)	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 11:00	05/01/19
L1918035-11	SB-7 (16-20)	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 11:20	05/01/19
L1918035-12	GW-7	WATER	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 11:30	05/01/19
L1918035-13	SB-8 (3-7')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 08:50	05/01/19
L1918035-14	SB-8 (16-20')	SOIL	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 09:15	05/01/19
L1918035-15	GW-8	WATER	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 10:15	05/01/19
L1918035-16	FB-1	FIELD BLANK	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 10:30	05/01/19
L1918035-17	TB-1	TRIP BLANK (AQUEOUS)	2 BAYVIEW AVE., OYSTER BAY, NY 11771	04/30/19 00:00	05/01/19

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918035
Project Number:	26183.01	**Report Date:**	05/14/19

Case Narrative

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

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

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

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

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

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

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918035
Project Number:	26183.01	**Report Date:**	05/14/19

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1918035-04: The internal standard (IS) response for1,4-dichlorobenzene-d4 (45%) and the surrogate recovery for 4-bromofluorobenzene (131%) were outside the acceptance criteria. A second low-level vial was analyzed, but yielded no internal standard recoveries. A high-level analysis was performed, and those results are also reported.

L1918035-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (135%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1918035-07: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (134%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1918035-10: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (44%) and the surrogate recovery for 4-bromofluorobenzene (149%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (40%) and 4-bromofluorobenzene (142%). The results of both analyses are reported.

The WG1235388-5 Method Blank, associated with L1918035-01, -02, -04, -05, -07, -08, -10, -11, -13 and -14, has a concentration above the reporting limit for bromomethane. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/14/19

ORGANICS

VOLATILES

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01 Date Collected: 04/30/19 11:30

Client ID: SB-3 (5') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/09/19 10:18

Analyst: JC

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01 Date Collected: 04/30/19 11:30

Client ID: SB-3 (5') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	0.59	J	ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	0.59	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	23		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01 Date Collected: 04/30/19 11:30

Client ID: SB-3 (5') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02
Client ID: SB-3 (7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:10
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 10:43
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	0.30	J	ug/kg	0.57	0.19	1
Toluene	0.64	J	ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	0.55	J	ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02 Date Collected: 04/30/19 12:10

Client ID: SB-3 (7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	0.27	J	ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	1.6		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	1.6		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	78		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	6.0	J	ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02 Date Collected: 04/30/19 12:10

Client ID: SB-3 (7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03 Date Collected: 04/30/19 11:50
Client ID: GW-3 Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/08/19 11:37
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	24		ug/l	0.50	0.16	1
Toluene	1.1	J	ug/l	2.5	0.70	1
Ethylbenzene	1.5	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	4.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03 Date Collected: 04/30/19 11:50

Client ID: GW-3 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	26		ug/l	2.5	0.70	1
p/m-Xylene	1.5	J	ug/l	2.5	0.70	1
o-Xylene	2.2	J	ug/l	2.5	0.70	1
Xylenes, Total	3.7	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.0	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	0.78	J	ug/l	2.5	0.70	1
sec-Butylbenzene	1.9	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	4.1		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03 Date Collected: 04/30/19 11:50

Client ID: GW-3 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	3.7		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	1.3	J	ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	9.9		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04
Client ID: SB-4 (3-4')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 09:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 11:09
Analyst: MKS
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	4.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.28	1
Chloroform	ND		ug/kg	3.0	0.28	1
Carbon tetrachloride	ND		ug/kg	2.0	0.45	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.24	1
Dibromochloromethane	ND		ug/kg	2.0	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.52	1
Tetrachloroethene	ND		ug/kg	0.98	0.38	1
Chlorobenzene	ND		ug/kg	0.98	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.9	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.50	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.33	1
Bromodichloromethane	ND		ug/kg	0.98	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.54	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.98	0.31	1
Bromoform	ND		ug/kg	7.9	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.33	1
Benzene	13		ug/kg	0.98	0.33	1
Toluene	1.6	J	ug/kg	2.0	1.1	1
Ethylbenzene	0.61	J	ug/kg	2.0	0.28	1
Chloromethane	ND		ug/kg	7.9	1.8	1
Bromomethane	1.2	J	ug/kg	3.9	1.1	1
Vinyl chloride	0.71	J	ug/kg	2.0	0.66	1
Chloroethane	ND		ug/kg	3.9	0.89	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.47	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.27	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.98	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.34	1
Methyl tert butyl ether	1.8	J	ug/kg	3.9	0.40	1
p/m-Xylene	1.7	J	ug/kg	3.9	1.1	1
o-Xylene	1.4	J	ug/kg	2.0	0.57	1
Xylenes, Total	3.1	J	ug/kg	2.0	0.57	1
cis-1,2-Dichloroethene	2.1		ug/kg	2.0	0.34	1
1,2-Dichloroethene, Total	2.1		ug/kg	2.0	0.27	1
Dibromomethane	ND		ug/kg	3.9	0.47	1
Styrene	ND		ug/kg	2.0	0.38	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	180		ug/kg	20	9.5	1
Carbon disulfide	ND		ug/kg	20	9.0	1
2-Butanone	40		ug/kg	20	4.4	1
Vinyl acetate	ND		ug/kg	20	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	3.9	0.25	1
2-Hexanone	ND		ug/kg	20	2.3	1
Bromochloromethane	ND		ug/kg	3.9	0.40	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.40	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.55	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.26	1
Bromobenzene	ND		ug/kg	3.9	0.28	1
n-Butylbenzene	0.49	J	ug/kg	2.0	0.33	1
sec-Butylbenzene	7.5		ug/kg	2.0	0.29	1
tert-Butylbenzene	2.1	J	ug/kg	3.9	0.23	1
o-Chlorotoluene	ND		ug/kg	3.9	0.38	1
p-Chlorotoluene	ND		ug/kg	3.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	2.0	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.33	1
Isopropylbenzene	4.4		ug/kg	2.0	0.21	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.21	1
Naphthalene	3.4	J	ug/kg	7.9	1.3	1
Acrylonitrile	ND		ug/kg	7.9	2.3	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.2	J	ug/kg	2.0	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.63	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.54	1
1,3,5-Trimethylbenzene	0.83	J	ug/kg	3.9	0.38	1
1,2,4-Trimethylbenzene	1.6	J	ug/kg	3.9	0.66	1
1,4-Dioxane	ND		ug/kg	160	69.	1
p-Diethylbenzene	1.2	J	ug/kg	3.9	0.35	1
p-Ethyltoluene	ND		ug/kg	3.9	0.76	1
1,2,4,5-Tetramethylbenzene	36		ug/kg	3.9	0.38	1
Ethyl ether	ND		ug/kg	3.9	0.67	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.8	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	**131**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45
Client ID: SB-4 (3-4') Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:20
Analyst: JC
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2000	920	1
1,1-Dichloroethane	ND		ug/kg	400	58.	1
Chloroform	ND		ug/kg	600	56.	1
Carbon tetrachloride	ND		ug/kg	400	92.	1
1,2-Dichloropropane	ND		ug/kg	400	50.	1
Dibromochloromethane	ND		ug/kg	400	56.	1
1,1,2-Trichloroethane	ND		ug/kg	400	110	1
Tetrachloroethene	ND		ug/kg	200	78.	1
Chlorobenzene	ND		ug/kg	200	51.	1
Trichlorofluoromethane	ND		ug/kg	1600	280	1
1,2-Dichloroethane	ND		ug/kg	400	100	1
1,1,1-Trichloroethane	ND		ug/kg	200	67.	1
Bromodichloromethane	ND		ug/kg	200	44.	1
trans-1,3-Dichloropropene	ND		ug/kg	400	110	1
cis-1,3-Dichloropropene	ND		ug/kg	200	63.	1
1,3-Dichloropropene, Total	ND		ug/kg	200	63.	1
1,1-Dichloropropene	ND		ug/kg	200	64.	1
Bromoform	ND		ug/kg	1600	98.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	200	66.	1
Benzene	750		ug/kg	200	66.	1
Toluene	480		ug/kg	400	220	1
Ethylbenzene	350	J	ug/kg	400	56.	1
Chloromethane	ND		ug/kg	1600	370	1
Bromomethane	ND		ug/kg	800	230	1
Vinyl chloride	ND		ug/kg	400	130	1
Chloroethane	ND		ug/kg	800	180	1
1,1-Dichloroethene	ND		ug/kg	400	95.	1
trans-1,2-Dichloroethene	ND		ug/kg	600	55.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	58	J	ug/kg	200	55.	1
1,2-Dichlorobenzene	ND		ug/kg	800	58.	1
1,3-Dichlorobenzene	ND		ug/kg	800	59.	1
1,4-Dichlorobenzene	ND		ug/kg	800	68.	1
Methyl tert butyl ether	100	J	ug/kg	800	80.	1
p/m-Xylene	600	J	ug/kg	800	220	1
o-Xylene	230	J	ug/kg	400	120	1
Xylenes, Total	830	J	ug/kg	400	120	1
cis-1,2-Dichloroethene	600		ug/kg	400	70.	1
1,2-Dichloroethene, Total	600		ug/kg	400	55.	1
Dibromomethane	ND		ug/kg	800	95.	1
Styrene	ND		ug/kg	400	78.	1
Dichlorodifluoromethane	ND		ug/kg	4000	360	1
Acetone	ND		ug/kg	4000	1900	1
Carbon disulfide	ND		ug/kg	4000	1800	1
2-Butanone	ND		ug/kg	4000	890	1
Vinyl acetate	ND		ug/kg	4000	860	1
4-Methyl-2-pentanone	ND		ug/kg	4000	510	1
1,2,3-Trichloropropane	ND		ug/kg	800	51.	1
2-Hexanone	ND		ug/kg	4000	470	1
Bromochloromethane	ND		ug/kg	800	82.	1
2,2-Dichloropropane	ND		ug/kg	800	81.	1
1,2-Dibromoethane	ND		ug/kg	400	110	1
1,3-Dichloropropane	ND		ug/kg	800	67.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	200	53.	1
Bromobenzene	ND		ug/kg	800	58.	1
n-Butylbenzene	74	J	ug/kg	400	67.	1
sec-Butylbenzene	140	J	ug/kg	400	58.	1
tert-Butylbenzene	ND		ug/kg	800	47.	1
o-Chlorotoluene	ND		ug/kg	800	76.	1
p-Chlorotoluene	ND		ug/kg	800	43.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1200	400	1
Hexachlorobutadiene	ND		ug/kg	1600	68.	1
Isopropylbenzene	100	J	ug/kg	400	44.	1
p-Isopropyltoluene	ND		ug/kg	400	44.	1
Naphthalene	610	J	ug/kg	1600	260	1
Acrylonitrile	ND		ug/kg	1600	460	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	200	J	ug/kg	400	68.	1
1,2,3-Trichlorobenzene	ND		ug/kg	800	130	1
1,2,4-Trichlorobenzene	ND		ug/kg	800	110	1
1,3,5-Trimethylbenzene	ND		ug/kg	800	77.	1
1,2,4-Trimethylbenzene	310	J	ug/kg	800	130	1
1,4-Dioxane	ND		ug/kg	32000	14000	1
p-Diethylbenzene	140	J	ug/kg	800	71.	1
p-Ethyltoluene	190	J	ug/kg	800	150	1
1,2,4,5-Tetramethylbenzene	630	J	ug/kg	800	76.	1
Ethyl ether	ND		ug/kg	800	140	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2000	570	1

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

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05
Client ID: SB-4 (5-6')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 13:41
Analyst: PK
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	11	5.1	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.32	1
Chloroform	ND		ug/kg	3.4	0.31	1
Carbon tetrachloride	ND		ug/kg	2.2	0.52	1
1,2-Dichloropropane	ND		ug/kg	2.2	0.28	1
Dibromochloromethane	ND		ug/kg	2.2	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.60	1
Tetrachloroethene	ND		ug/kg	1.1	0.44	1
Chlorobenzene	ND		ug/kg	1.1	0.28	1
Trichlorofluoromethane	ND		ug/kg	9.0	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.2	0.58	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.37	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.61	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.35	1
1,1-Dichloropropene	ND		ug/kg	1.1	0.36	1
Bromoform	ND		ug/kg	9.0	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.37	1
Benzene	42		ug/kg	1.1	0.37	1
Toluene	3.8		ug/kg	2.2	1.2	1
Ethylbenzene	1.2	J	ug/kg	2.2	0.32	1
Chloromethane	ND		ug/kg	9.0	2.1	1
Bromomethane	ND		ug/kg	4.5	1.3	1
Vinyl chloride	1.8	J	ug/kg	2.2	0.75	1
Chloroethane	ND		ug/kg	4.5	1.0	1
1,1-Dichloroethene	ND		ug/kg	2.2	0.53	1
trans-1,2-Dichloroethene	0.69	J	ug/kg	3.4	0.31	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05 Date Collected: 04/30/19 10:00

Client ID: SB-4 (5-6') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.3		ug/kg	1.1	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.32	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.38	1
Methyl tert butyl ether	9.1		ug/kg	4.5	0.45	1
p/m-Xylene	7.0		ug/kg	4.5	1.2	1
o-Xylene	10		ug/kg	2.2	0.65	1
Xylenes, Total	17		ug/kg	2.2	0.65	1
cis-1,2-Dichloroethene	21		ug/kg	2.2	0.39	1
1,2-Dichloroethene, Total	22	J	ug/kg	2.2	0.31	1
Dibromomethane	ND		ug/kg	4.5	0.53	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	22	2.0	1
Acetone	230		ug/kg	22	11.	1
Carbon disulfide	18	J	ug/kg	22	10.	1
2-Butanone	60		ug/kg	22	5.0	1
Vinyl acetate	ND		ug/kg	22	4.8	1
4-Methyl-2-pentanone	ND		ug/kg	22	2.9	1
1,2,3-Trichloropropane	ND		ug/kg	4.5	0.28	1
2-Hexanone	ND		ug/kg	22	2.6	1
Bromochloromethane	ND		ug/kg	4.5	0.46	1
2,2-Dichloropropane	ND		ug/kg	4.5	0.45	1
1,2-Dibromoethane	ND		ug/kg	2.2	0.63	1
1,3-Dichloropropane	ND		ug/kg	4.5	0.37	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.30	1
Bromobenzene	ND		ug/kg	4.5	0.32	1
n-Butylbenzene	2.0	J	ug/kg	2.2	0.37	1
sec-Butylbenzene	11		ug/kg	2.2	0.33	1
tert-Butylbenzene	1.7	J	ug/kg	4.5	0.26	1
o-Chlorotoluene	ND		ug/kg	4.5	0.43	1
p-Chlorotoluene	ND		ug/kg	4.5	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	2.2	1
Hexachlorobutadiene	ND		ug/kg	9.0	0.38	1
Isopropylbenzene	7.4		ug/kg	2.2	0.24	1
p-Isopropyltoluene	0.60	J	ug/kg	2.2	0.24	1
Naphthalene	ND		ug/kg	9.0	1.4	1
Acrylonitrile	ND		ug/kg	9.0	2.6	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05 Date Collected: 04/30/19 10:00

Client ID: SB-4 (5-6') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	2.9		ug/kg	2.2	0.38	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	0.72	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	0.61	1
1,3,5-Trimethylbenzene	3.7	J	ug/kg	4.5	0.43	1
1,2,4-Trimethylbenzene	11		ug/kg	4.5	0.75	1
1,4-Dioxane	ND		ug/kg	180	79.	1
p-Diethylbenzene	5.1		ug/kg	4.5	0.40	1
p-Ethyltoluene	2.7	J	ug/kg	4.5	0.86	1
1,2,4,5-Tetramethylbenzene	29		ug/kg	4.5	0.43	1
Ethyl ether	ND		ug/kg	4.5	0.76	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	3.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	**135**	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06 Date Collected: 04/30/19 10:45

Client ID: GW-4 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 05/08/19 11:59

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	3.7		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	100		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06 Date Collected: 04/30/19 10:45

Client ID: GW-4 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.18	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	11		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	12		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	13	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06 Date Collected: 04/30/19 10:45

Client ID: GW-4 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.2	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-07
Client ID: SB-6 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:10
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 14:57
Analyst: PK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	3.0		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.81	J	ug/kg	1.5	0.14	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-07 Date Collected: 04/30/19 12:10

Client ID: SB-6 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.3		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	4.9		ug/kg	2.0	0.20	1
p/m-Xylene	0.58	J	ug/kg	2.0	0.57	1
o-Xylene	0.72	J	ug/kg	1.0	0.30	1
Xylenes, Total	1.3	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	4.8		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	5.6	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	140		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	24		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	0.48	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	0.59	J	ug/kg	2.0	0.12	1
o-Chlorotoluene	1.5	J	ug/kg	2.0	0.19	1
p-Chlorotoluene	0.20	J	ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	1.7		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-07 Date Collected: 04/30/19 12:10

Client ID: SB-6 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	0.25	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	0.30	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	**134**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08
Client ID: SB-6 (16-20)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:25
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 14:32
Analyst: PK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08 Date Collected: 04/30/19 12:25

Client ID: SB-6 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08 Date Collected: 04/30/19 12:25

Client ID: SB-6 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09 Date Collected: 04/30/19 12:45
Client ID: GW-6 Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/08/19 12:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.23	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09 Date Collected: 04/30/19 12:45

Client ID: GW-6 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.43	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	2.8		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.1	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09 Date Collected: 04/30/19 12:45

Client ID: GW-6 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 Date Collected: 04/30/19 11:00

Client ID: SB-7 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/09/19 14:07

Analyst: PK

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.74	0.29	1
Chlorobenzene	ND		ug/kg	0.74	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.25	1
Bromodichloromethane	ND		ug/kg	0.74	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.74	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.74	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.24	1
Benzene	36		ug/kg	0.74	0.24	1
Toluene	3.6		ug/kg	1.5	0.80	1
Ethylbenzene	0.58	J	ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.86	1
Vinyl chloride	23		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.67	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 Date Collected: 04/30/19 11:00

Client ID: SB-7 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.74	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	6.5		ug/kg	2.9	0.30	1
p/m-Xylene	9.9		ug/kg	2.9	0.82	1
o-Xylene	9.4		ug/kg	1.5	0.43	1
Xylenes, Total	19		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	1.4	J	ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	1.4	J	ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	150		ug/kg	15	7.1	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	32		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	13		ug/kg	1.5	0.25	1
sec-Butylbenzene	38		ug/kg	1.5	0.22	1
tert-Butylbenzene	7.6		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.25	1
Isopropylbenzene	33		ug/kg	1.5	0.16	1
p-Isopropyltoluene	0.53	J	ug/kg	1.5	0.16	1
Naphthalene	11		ug/kg	5.9	0.96	1
Acrylonitrile	ND		ug/kg	5.9	1.7	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 Date Collected: 04/30/19 11:00

Client ID: SB-7 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	27		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	3.7		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	1.7	J	ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	14		ug/kg	2.9	0.26	1
p-Ethyltoluene	3.4		ug/kg	2.9	0.57	1
1,2,4,5-Tetramethylbenzene	110		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	**149**	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 R
Client ID: SB-7 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 20:24
Analyst: NLK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.7	J	ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	0.14	J	ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	21		ug/kg	0.53	0.18	1
Toluene	2.0		ug/kg	1.1	0.58	1
Ethylbenzene	0.34	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	29		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 R
Client ID: SB-7 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	0.18	J	ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	3.6		ug/kg	2.1	0.21	1
p/m-Xylene	5.6		ug/kg	2.1	0.60	1
o-Xylene	4.6		ug/kg	1.1	0.31	1
Xylenes, Total	10		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.92	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.92	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	83		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	19		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	9.3		ug/kg	1.1	0.18	1
sec-Butylbenzene	26		ug/kg	1.1	0.16	1
tert-Butylbenzene	4.8		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	20		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	5.2		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 R
Client ID: SB-7 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	16		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	1.8	J	ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	4.3		ug/kg	2.1	0.19	1
p-Ethyltoluene	1.2	J	ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	84		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	**142**	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11 Date Collected: 04/30/19 11:20

Client ID: SB-7 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/09/19 15:23

Analyst: PK

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11 Date Collected: 04/30/19 11:20

Client ID: SB-7 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	13		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11 Date Collected: 04/30/19 11:20

Client ID: SB-7 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12 Date Collected: 04/30/19 11:30
Client ID: GW-7 Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/08/19 12:44
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.40	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12 Date Collected: 04/30/19 11:30

Client ID: GW-7 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	2.3	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.8	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.8	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12 Date Collected: 04/30/19 11:30

Client ID: GW-7 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13
Client ID: SB-8 (3-7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 08:50
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 15:48
Analyst: PK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	1.5		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13 Date Collected: 04/30/19 08:50

Client ID: SB-8 (3-7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.21	J	ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	8.3		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	8.3		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13 Date Collected: 04/30/19 08:50

Client ID: SB-8 (3-7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14
Client ID: SB-8 (16-20')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 09:15
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/19 16:13
Analyst: PK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.73	0.29	1
Chlorobenzene	ND		ug/kg	0.73	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.8	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14 Date Collected: 04/30/19 09:15

Client ID: SB-8 (16-20') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	ND		ug/kg	15	7.0	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	ND		ug/kg	15	3.2	1
Vinyl acetate	ND		ug/kg	15	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.73	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.24	1
sec-Butylbenzene	ND		ug/kg	1.5	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.8	0.95	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14 Date Collected: 04/30/19 09:15

Client ID: SB-8 (16-20') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15 Date Collected: 04/30/19 10:15
Client ID: GW-8 Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/08/19 13:07
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.20	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.79	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15 Date Collected: 04/30/19 10:15

Client ID: GW-8 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	1.1	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15 Date Collected: 04/30/19 10:15

Client ID: GW-8 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16 Date Collected: 04/30/19 10:30
Client ID: FB-1 Date Received: 05/01/19
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 05/08/19 13:29
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16 Date Collected: 04/30/19 10:30

Client ID: FB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16 Date Collected: 04/30/19 10:30

Client ID: FB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-17 Date Collected: 04/30/19 00:00

Client ID: TB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 1,8260C

Analytical Date: 05/08/19 13:52

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-17 Date Collected: 04/30/19 00:00

Client ID: TB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-17 Date Collected: 04/30/19 00:00

Client ID: TB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

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

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/19 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-17 Batch: WG1235117-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/19 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-17 Batch: WG1235117-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/19 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-17 Batch: WG1235117-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 08:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	2.7		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 08:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 08:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 19:08
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1235709-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 19:08
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1235709-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 19:08
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1235709-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 07:54
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1235801-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 07:54
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1235801-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 07:54
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1235801-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-17 Batch: WG1235117-3 WG1235117-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	95		92		70-130	3		20
Carbon tetrachloride	79		78		63-132	1		20
1,2-Dichloropropane	99		99		70-130	0		20
Dibromochloromethane	96		92		63-130	4		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	100		93		70-130	7		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	83		77		62-150	8		20
1,2-Dichloroethane	84		83		70-130	1		20
1,1,1-Trichloroethane	89		88		67-130	1		20
Bromodichloromethane	91		89		67-130	2		20
trans-1,3-Dichloropropene	93		89		70-130	4		20
cis-1,3-Dichloropropene	95		94		70-130	1		20
1,1-Dichloropropene	97		94		70-130	3		20
Bromoform	94		90		54-136	4		20
1,1,2,2-Tetrachloroethane	94		89		67-130	5		20
Benzene	99		95		70-130	4		20
Toluene	100		95		70-130	5		20
Ethylbenzene	100		95		70-130	5		20
Chloromethane	96		100		64-130	4		20
Bromomethane	96		97		39-139	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-17 Batch: WG1235117-3 WG1235117-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	84		83		55-138	1		20
1,1-Dichloroethene	92		95		61-145	3		20
trans-1,2-Dichloroethene	97		90		70-130	7		20
Trichloroethene	92		91		70-130	1		20
1,2-Dichlorobenzene	100		94		70-130	6		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	100		95		70-130	5		20
Methyl tert butyl ether	83		83		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	97		94		70-130	3		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	96		92		64-130	4		20
Acrylonitrile	98		98		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	76		67		36-147	13		20
Acetone	99		100		58-148	1		20
Carbon disulfide	100		94		51-130	6		20
2-Butanone	81		80		63-138	1		20
Vinyl acetate	78		78		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	88		84		57-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-17 Batch: WG1235117-3 WG1235117-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	85		82		63-133	4		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	96		91		64-130	5		20
Bromobenzene	99		94		70-130	5		20
n-Butylbenzene	100		94		53-136	6		20
sec-Butylbenzene	97		91		70-130	6		20
tert-Butylbenzene	85		79		70-130	7		20
o-Chlorotoluene	98		90		70-130	9		20
p-Chlorotoluene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	96		91		41-144	5		20
Hexachlorobutadiene	97		88		63-130	10		20
Isopropylbenzene	100		94		70-130	6		20
p-Isopropyltoluene	100		96		70-130	4		20
Naphthalene	99		96		70-130	3		20
n-Propylbenzene	100		96		69-130	4		20
1,2,3-Trichlorobenzene	110		110		70-130	0		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	100		97		64-130	3		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	**176**	Q	**170**	Q	56-162	3		20
p-Diethylbenzene	100		94		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-17 Batch: WG1235117-3 WG1235117-4								
p-Ethyltoluene	100		96		70-130	4		20
1,2,4,5-Tetramethylbenzene	97		91		70-130	6		20
Ethyl ether	96		100		59-134	4		20
trans-1,4-Dichloro-2-butene	74		72		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		85		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-3 WG1235388-4								
Methylene chloride	110		100		70-130	10		30
1,1-Dichloroethane	111		94		70-130	17		30
Chloroform	105		92		70-130	13		30
Carbon tetrachloride	110		89		70-130	21		30
1,2-Dichloropropane	108		97		70-130	11		30
Dibromochloromethane	100		96		70-130	4		30
1,1,2-Trichloroethane	104		101		70-130	3		30
Tetrachloroethene	113		94		70-130	18		30
Chlorobenzene	107		94		70-130	13		30
Trichlorofluoromethane	114		91		70-139	22		30
1,2-Dichloroethane	98		91		70-130	7		30
1,1,1-Trichloroethane	111		91		70-130	20		30
Bromodichloromethane	104		94		70-130	10		30
trans-1,3-Dichloropropene	104		100		70-130	4		30
cis-1,3-Dichloropropene	107		98		70-130	9		30
1,1-Dichloropropene	121		98		70-130	21		30
Bromoform	102		97		70-130	5		30
1,1,2,2-Tetrachloroethane	106		103		70-130	3		30
Benzene	110		95		70-130	15		30
Toluene	108		94		70-130	14		30
Ethylbenzene	110		94		70-130	16		30
Chloromethane	110		87		52-130	23		30
Bromomethane	**154**	Q	126		57-147	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-3 WG1235388-4								
Vinyl chloride	115		92		67-130	22		30
Chloroethane	115		95		50-151	19		30
1,1-Dichloroethene	116		95		65-135	20		30
trans-1,2-Dichloroethene	114		94		70-130	19		30
Trichloroethene	109		90		70-130	19		30
1,2-Dichlorobenzene	105		96		70-130	9		30
1,3-Dichlorobenzene	108		95		70-130	13		30
1,4-Dichlorobenzene	104		95		70-130	9		30
Methyl tert butyl ether	103		99		66-130	4		30
p/m-Xylene	111		97		70-130	13		30
o-Xylene	110		98		70-130	12		30
cis-1,2-Dichloroethene	109		96		70-130	13		30
Dibromomethane	101		94		70-130	7		30
Styrene	110		100		70-130	10		30
Dichlorodifluoromethane	113		90		30-146	23		30
Acetone	109		99		54-140	10		30
Carbon disulfide	116		94		59-130	21		30
2-Butanone	90		95		70-130	5		30
Vinyl acetate	118		116		70-130	2		30
4-Methyl-2-pentanone	101		103		70-130	2		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	97		99		70-130	2		30
Bromochloromethane	104		98		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-3 WG1235388-4								
2,2-Dichloropropane	114		94		70-130	19		30
1,2-Dibromoethane	101		99		70-130	2		30
1,3-Dichloropropane	103		100		69-130	3		30
1,1,1,2-Tetrachloroethane	105		96		70-130	9		30
Bromobenzene	107		96		70-130	11		30
n-Butylbenzene	116		98		70-130	17		30
sec-Butylbenzene	115		98		70-130	16		30
tert-Butylbenzene	114		95		70-130	18		30
o-Chlorotoluene	128		111		70-130	14		30
p-Chlorotoluene	112		97		70-130	14		30
1,2-Dibromo-3-chloropropane	97		99		68-130	2		30
Hexachlorobutadiene	108		90		67-130	18		30
Isopropylbenzene	115		97		70-130	17		30
p-Isopropyltoluene	115		97		70-130	17		30
Naphthalene	102		101		70-130	1		30
Acrylonitrile	104		106		70-130	2		30
n-Propylbenzene	114		97		70-130	16		30
1,2,3-Trichlorobenzene	106		97		70-130	9		30
1,2,4-Trichlorobenzene	108		98		70-130	10		30
1,3,5-Trimethylbenzene	114		98		70-130	15		30
1,2,4-Trimethylbenzene	113		98		70-130	14		30
1,4-Dioxane	101		111		65-136	9		30
p-Diethylbenzene	114		96		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-05,07-08,10-11,13-14 Batch: WG1235388-3 WG1235388-4								
p-Ethyltoluene	113		97		70-130	15		30
1,2,4,5-Tetramethylbenzene	113		100		70-130	12		30
Ethyl ether	108		101		67-130	7		30
trans-1,4-Dichloro-2-butene	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1235709-3 WG1235709-4								
Methylene chloride	100		100		70-130	0		30
1,1-Dichloroethane	100		101		70-130	1		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	92		92		70-130	0		30
1,2-Dichloropropane	101		103		70-130	2		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	103		100		70-130	3		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	95		94		70-139	1		30
1,2-Dichloroethane	85		85		70-130	0		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	100		102		70-130	2		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	102		105		70-130	3		30
Benzene	103		102		70-130	1		30
Toluene	101		101		70-130	0		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	96		95		52-130	1		30
Bromomethane	136		131		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1235709-3 WG1235709-4								
Vinyl chloride	102		101		67-130	1		30
Chloroethane	103		103		50-151	0		30
1,1-Dichloroethene	108		107		65-135	1		30
trans-1,2-Dichloroethene	104		103		70-130	1		30
Trichloroethene	99		97		70-130	2		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	103		103		70-130	0		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	102		101		70-130	1		30
Dibromomethane	91		93		70-130	2		30
Styrene	104		103		70-130	1		30
Dichlorodifluoromethane	96		95		30-146	1		30
Acetone	93		94		54-140	1		30
Carbon disulfide	108		106		59-130	2		30
2-Butanone	88		91		70-130	3		30
Vinyl acetate	110		113		70-130	3		30
4-Methyl-2-pentanone	97		100		70-130	3		30
1,2,3-Trichloropropane	94		98		68-130	4		30
2-Hexanone	94		93		70-130	1		30
Bromochloromethane	99		99		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1235709-3 WG1235709-4								
2,2-Dichloropropane	100		98		70-130	2		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	99		100		69-130	1		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	99		100		70-130	1		30
n-Butylbenzene	105		106		70-130	1		30
sec-Butylbenzene	106		107		70-130	1		30
tert-Butylbenzene	104		105		70-130	1		30
o-Chlorotoluene	118		118		70-130	0		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	92		94		68-130	2		30
Hexachlorobutadiene	95		92		67-130	3		30
Isopropylbenzene	107		107		70-130	0		30
p-Isopropyltoluene	105		105		70-130	0		30
Naphthalene	96		98		70-130	2		30
Acrylonitrile	102		104		70-130	2		30
n-Propylbenzene	105		107		70-130	2		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	100		97		70-130	3		30
1,3,5-Trimethylbenzene	103		104		70-130	1		30
1,2,4-Trimethylbenzene	104		104		70-130	0		30
1,4-Dioxane	106		109		65-136	3		30
p-Diethylbenzene	105		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1235709-3 WG1235709-4								
p-Ethyltoluene	105		105		70-130	0		30
1,2,4,5-Tetramethylbenzene	103		102		70-130	1		30
Ethyl ether	107		105		67-130	2		30
trans-1,4-Dichloro-2-butene	94		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1235801-3 WG1235801-4								
Methylene chloride	105		103		70-130	2		30
1,1-Dichloroethane	106		103		70-130	3		30
Chloroform	103		100		70-130	3		30
Carbon tetrachloride	104		99		70-130	5		30
1,2-Dichloropropane	104		103		70-130	1		30
Dibromochloromethane	97		98		70-130	1		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	103		98		70-130	5		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	106		100		70-130	6		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	104		104		70-130	0		30
cis-1,3-Dichloropropene	108		108		70-130	0		30
1,1-Dichloropropene	106		99		70-130	7		30
Bromoform	102		97		70-130	5		30
1,1,2,2-Tetrachloroethane	100		94		70-130	6		30
Benzene	106		102		70-130	4		30
Toluene	100		96		70-130	4		30
Ethylbenzene	102		98		70-130	4		30
Chloromethane	107		98		52-130	9		30
Bromomethane	111		101		57-147	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1235801-3 WG1235801-4								
Vinyl chloride	103		94		67-130	9		30
Chloroethane	91		85		50-151	7		30
1,1-Dichloroethene	107		99		65-135	8		30
trans-1,2-Dichloroethene	107		102		70-130	5		30
Trichloroethene	102		98		70-130	4		30
1,2-Dichlorobenzene	96		98		70-130	2		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	107		108		66-130	1		30
p/m-Xylene	102		99		70-130	3		30
o-Xylene	102		99		70-130	3		30
cis-1,2-Dichloroethene	106		103		70-130	3		30
Dibromomethane	101		103		70-130	2		30
Styrene	103		101		70-130	2		30
Dichlorodifluoromethane	108		98		30-146	10		30
Acetone	118		111		54-140	6		30
Carbon disulfide	99		93		59-130	6		30
2-Butanone	96		91		70-130	5		30
Vinyl acetate	102		103		70-130	1		30
4-Methyl-2-pentanone	104		104		70-130	0		30
1,2,3-Trichloropropane	97		99		68-130	2		30
2-Hexanone	94		93		70-130	1		30
Bromochloromethane	107		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1235801-3 WG1235801-4								
2,2-Dichloropropane	113		108		70-130	5		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	101		100		70-130	1		30
Bromobenzene	108		99		70-130	9		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	101		96		70-130	5		30
tert-Butylbenzene	101		97		70-130	4		30
o-Chlorotoluene	101		96		70-130	5		30
p-Chlorotoluene	100		97		70-130	3		30
1,2-Dibromo-3-chloropropane	91		93		68-130	2		30
Hexachlorobutadiene	103		99		67-130	4		30
Isopropylbenzene	109		96		70-130	13		30
p-Isopropyltoluene	103		98		70-130	5		30
Naphthalene	101		102		70-130	1		30
Acrylonitrile	103		100		70-130	3		30
n-Propylbenzene	108		95		70-130	13		30
1,2,3-Trichlorobenzene	105		104		70-130	1		30
1,2,4-Trichlorobenzene	103		103		70-130	0		30
1,3,5-Trimethylbenzene	100		96		70-130	4		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
1,4-Dioxane	132		128		65-136	3		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1235801-3 WG1235801-4								
p-Ethyltoluene	109		96		70-130	13		30
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		30
Ethyl ether	110		109		67-130	1		30
trans-1,4-Dichloro-2-butene	96		96		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	109		101		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01
Client ID: SB-3 (5')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:30
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 11:42
Analyst: ALS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	73.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01 Date Collected: 04/30/19 11:30

Client ID: SB-3 (5') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	89.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01 Date Collected: 04/30/19 11:30

Client ID: SB-3 (5') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	210	66.	1
Carbazole	ND		ug/kg	210	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	69		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02
Client ID: SB-3 (7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:10
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 14:39
Analyst: ALS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	40	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02 Date Collected: 04/30/19 12:10

Client ID: SB-3 (7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	22	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	36	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	25	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	21	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	38	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02 Date Collected: 04/30/19 12:10

Client ID: SB-3 (7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	66		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03
Client ID: GW-3
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:50
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/19 07:06
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03 Date Collected: 04/30/19 11:50

Client ID: GW-3 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	75		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03
Client ID: GW-3
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:50
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/09/19 19:49
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.4		ug/l	0.10	0.01	1
2-Chloronaphthalene	0.08	J	ug/l	0.20	0.02	1
Fluoranthene	0.70		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.18		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.32		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.40		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.54		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.23		ug/l	0.10	0.01	1
Chrysene	0.36		ug/l	0.10	0.01	1
Acenaphthylene	0.27		ug/l	0.10	0.01	1
Anthracene	0.10		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.26		ug/l	0.10	0.01	1
Fluorene	0.81		ug/l	0.10	0.01	1
Phenanthrene	0.32		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.31		ug/l	0.10	0.01	1
Pyrene	0.60		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-03 Date Collected: 04/30/19 11:50

Client ID: GW-3 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	71		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04
Client ID: SB-4 (3-4')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 09:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 13:48
Analyst: ALS
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	28.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	34.	1
2-Chloronaphthalene	ND		ug/kg	250	24.	1
1,2-Dichlorobenzene	ND		ug/kg	250	44.	1
1,3-Dichlorobenzene	ND		ug/kg	250	42.	1
1,4-Dichlorobenzene	ND		ug/kg	250	43.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	66.	1
2,4-Dinitrotoluene	ND		ug/kg	250	49.	1
2,6-Dinitrotoluene	ND		ug/kg	250	42.	1
Fluoranthene	430		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	710	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	37.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	86.	1
Butyl benzyl phthalate	ND		ug/kg	250	62.	1
Di-n-butylphthalate	ND		ug/kg	250	47.	1
Di-n-octylphthalate	ND		ug/kg	250	84.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	52.	1
Benzo(a)anthracene	200		ug/kg	150	28.	1
Benzo(a)pyrene	170	J	ug/kg	200	60.	1
Benzo(b)fluoranthene	230		ug/kg	150	42.	1
Benzo(k)fluoranthene	85	J	ug/kg	150	40.	1
Chrysene	200		ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	56	J	ug/kg	150	48.	1
Benzo(ghi)perylene	100	J	ug/kg	200	29.	1
Fluorene	ND		ug/kg	250	24.	1
Phenanthrene	190		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	200	34.	1
Pyrene	360		ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	57.	1
4-Chloroaniline	ND		ug/kg	250	45.	1
2-Nitroaniline	ND		ug/kg	250	48.	1
3-Nitroaniline	ND		ug/kg	250	47.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	23.	1
2-Methylnaphthalene	ND		ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	47.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	82.	1
2-Nitrophenol	ND		ug/kg	530	93.	1
4-Nitrophenol	ND		ug/kg	350	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	250	37.	1
2-Methylphenol	ND		ug/kg	250	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	360	39.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04 Date Collected: 04/30/19 09:45

Client ID: SB-4 (3-4') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	250	47.	1
Benzoic Acid	ND		ug/kg	800	250	1
Benzyl Alcohol	ND		ug/kg	250	76.	1
Carbazole	ND		ug/kg	250	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	67		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05
Client ID: SB-4 (5-6')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 14:13
Analyst: ALS
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	48	J	ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	300		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	66	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05 Date Collected: 04/30/19 10:00

Client ID: SB-4 (5-6') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	110	J	ug/kg	130	25.	1
Benzo(a)pyrene	110	J	ug/kg	180	54.	1
Benzo(b)fluoranthene	140		ug/kg	130	37.	1
Benzo(k)fluoranthene	54	J	ug/kg	130	36.	1
Chrysene	110	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	62	J	ug/kg	130	43.	1
Benzo(ghi)perylene	69	J	ug/kg	180	26.	1
Fluorene	57	J	ug/kg	220	22.	1
Phenanthrene	300		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	74	J	ug/kg	180	31.	1
Pyrene	250		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	30	J	ug/kg	220	21.	1
2-Methylnaphthalene	130	J	ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05 Date Collected: 04/30/19 10:00

Client ID: SB-4 (5-6') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	ND		ug/kg	220	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	62		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06
Client ID: GW-4
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/19 06:15
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06 Date Collected: 04/30/19 10:45

Client ID: GW-4 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	74		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06
Client ID: GW-4
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/09/19 20:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.1		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.92		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.14		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.37		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.51		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.70		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.29		ug/l	0.10	0.01	1
Chrysene	0.46		ug/l	0.10	0.01	1
Acenaphthylene	0.12		ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.29		ug/l	0.10	0.01	1
Fluorene	0.23		ug/l	0.10	0.01	1
Phenanthrene	0.53		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.34		ug/l	0.10	0.01	1
Pyrene	0.80		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.21		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-06 Date Collected: 04/30/19 10:45

Client ID: GW-4 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	68		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08
Client ID: SB-6 (16-20)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:25
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 12:07
Analyst: ALS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08 Date Collected: 04/30/19 12:25

Client ID: SB-6 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08 Date Collected: 04/30/19 12:25

Client ID: SB-6 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	77		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09
Client ID: GW-6
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/19 04:06
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09 Date Collected: 04/30/19 12:45

Client ID: GW-6 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	74		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09
Client ID: GW-6
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 12:45
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/10/19 19:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.10		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-09 Date Collected: 04/30/19 12:45

Client ID: GW-6 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	70		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10
Client ID: SB-7 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:00
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 12:58
Analyst: ALS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	130		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 Date Collected: 04/30/19 11:00

Client ID: SB-7 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	71	J	ug/kg	120	22.	1
Benzo(a)pyrene	69	J	ug/kg	160	49.	1
Benzo(b)fluoranthene	84	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	68	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	47	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	60	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	160	28.	1
Pyrene	120		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10 Date Collected: 04/30/19 11:00

Client ID: SB-7 (3-7) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	73		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11
Client ID: SB-7 (16-20)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:20
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/12/19 21:56
Analyst: HL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11 Date Collected: 04/30/19 11:20

Client ID: SB-7 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11 Date Collected: 04/30/19 11:20

Client ID: SB-7 (16-20) Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	77		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12
Client ID: GW-7
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:30
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/19 06:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12 Date Collected: 04/30/19 11:30

Client ID: GW-7 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	74		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12
Client ID: GW-7
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 11:30
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/10/19 20:22
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.15		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.10	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.14		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.18		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.10	0.01	1
Chrysene	0.10		ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.10	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.11		ug/l	0.10	0.01	1
Pyrene	0.16		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-12 Date Collected: 04/30/19 11:30

Client ID: GW-7 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	70		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13
Client ID: SB-8 (3-7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 08:50
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 13:23
Analyst: ALS
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	49	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	980		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	67	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13 Date Collected: 04/30/19 08:50

Client ID: SB-8 (3-7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	310		ug/kg	120	23.	1
Benzo(a)pyrene	330		ug/kg	160	50.	1
Benzo(b)fluoranthene	440		ug/kg	120	35.	1
Benzo(k)fluoranthene	180		ug/kg	120	33.	1
Chrysene	400		ug/kg	120	21.	1
Acenaphthylene	93	J	ug/kg	160	32.	1
Anthracene	140		ug/kg	120	40.	1
Benzo(ghi)perylene	210		ug/kg	160	24.	1
Fluorene	57	J	ug/kg	200	20.	1
Phenanthrene	730		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	48	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	160	29.	1
Pyrene	810		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	46	J	ug/kg	200	19.	1
2-Methylnaphthalene	33	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13 Date Collected: 04/30/19 08:50

Client ID: SB-8 (3-7') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	63	J	ug/kg	200	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	73		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14
Client ID: SB-8 (16-20')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 09:15
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 12:32
Analyst: ALS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14 Date Collected: 04/30/19 09:15

Client ID: SB-8 (16-20') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14 Date Collected: 04/30/19 09:15

Client ID: SB-8 (16-20') Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	75		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15
Client ID: GW-8
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:15
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/19 00:40
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15 Date Collected: 04/30/19 10:15

Client ID: GW-8 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	62		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15
Client ID: GW-8
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:15
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/10/19 20:48
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-15 Date Collected: 04/30/19 10:15

Client ID: GW-8 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	61		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16
Client ID: FB-1
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:30
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 05/09/19 02:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16 Date Collected: 04/30/19 10:30

Client ID: FB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	56		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16
Client ID: FB-1
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771

Date Collected: 04/30/19 10:30
Date Received: 05/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 05/10/19 21:14
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-16 Date Collected: 04/30/19 10:30

Client ID: FB-1 Date Received: 05/01/19

Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	60		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 22:06
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-16 Batch: WG1233531-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 22:06
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-16 Batch: WG1233531-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 22:06
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,09,12,15-16 Batch: WG1233531-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	83		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/19 16:17
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,06,09,12,15-16 Batch: WG1233532-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/19 16:17
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,06,09,12,15-16 Batch: WG1233532-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	78		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 14:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	23	J	ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 14:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 14:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/09/19 01:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	97		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/19 10:03
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/09/19 09:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1235315-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	91	J	ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/19 10:03
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/09/19 09:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1235315-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918035

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/19 10:03
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/09/19 09:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1235315-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233531-2 WG1233531-3								
Acenaphthene	81		83		37-111	2		30
1,2,4-Trichlorobenzene	80		78		39-98	3		30
Hexachlorobenzene	83		84		40-140	1		30
Bis(2-chloroethyl)ether	78		80		40-140	3		30
2-Chloronaphthalene	83		83		40-140	0		30
1,2-Dichlorobenzene	77		77		40-140	0		30
1,3-Dichlorobenzene	77		76		40-140	1		30
1,4-Dichlorobenzene	77		76		36-97	1		30
3,3'-Dichlorobenzidine	60		65		40-140	8		30
2,4-Dinitrotoluene	80		82		48-143	2		30
2,6-Dinitrotoluene	84		83		40-140	1		30
Fluoranthene	84		86		40-140	2		30
4-Chlorophenyl phenyl ether	84		84		40-140	0		30
4-Bromophenyl phenyl ether	85		86		40-140	1		30
Bis(2-chloroisopropyl)ether	77		76		40-140	1		30
Bis(2-chloroethoxy)methane	85		85		40-140	0		30
Hexachlorobutadiene	76		75		40-140	1		30
Hexachlorocyclopentadiene	66		64		40-140	3		30
Hexachloroethane	78		76		40-140	3		30
Isophorone	84		85		40-140	1		30
Naphthalene	78		77		40-140	1		30
Nitrobenzene	80		81		40-140	1		30
NDPA/DPA	76		85		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233531-2 WG1233531-3								
n-Nitrosodi-n-propylamine	87		87		29-132	0		30
Bis(2-ethylhexyl)phthalate	88		88		40-140	0		30
Butyl benzyl phthalate	85		88		40-140	3		30
Di-n-butylphthalate	83		84		40-140	1		30
Di-n-octylphthalate	92		94		40-140	2		30
Diethyl phthalate	91		94		40-140	3		30
Dimethyl phthalate	93		92		40-140	1		30
Benzo(a)anthracene	82		86		40-140	5		30
Benzo(a)pyrene	84		89		40-140	6		30
Benzo(b)fluoranthene	84		87		40-140	4		30
Benzo(k)fluoranthene	88		89		40-140	1		30
Chrysene	82		82		40-140	0		30
Acenaphthylene	86		86		45-123	0		30
Anthracene	78		84		40-140	7		30
Benzo(ghi)perylene	86		87		40-140	1		30
Fluorene	85		85		40-140	0		30
Phenanthrene	81		81		40-140	0		30
Dibenzo(a,h)anthracene	88		89		40-140	1		30
Indeno(1,2,3-cd)pyrene	88		89		40-140	1		30
Pyrene	81		84		26-127	4		30
Biphenyl	87		84		40-140	4		30
4-Chloroaniline	45		51		40-140	13		30
2-Nitroaniline	81		83		52-143	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233531-2 WG1233531-3								
3-Nitroaniline	54		58		25-145	7		30
4-Nitroaniline	70		74		51-143	6		30
Dibenzofuran	82		84		40-140	2		30
2-Methylnaphthalene	81		80		40-140	1		30
1,2,4,5-Tetrachlorobenzene	81		80		2-134	1		30
Acetophenone	82		83		39-129	1		30
2,4,6-Trichlorophenol	82		81		30-130	1		30
p-Chloro-m-cresol	85		84		23-97	1		30
2-Chlorophenol	80		80		27-123	0		30
2,4-Dichlorophenol	84		85		30-130	1		30
2,4-Dimethylphenol	39		42		30-130	7		30
2-Nitrophenol	82		85		30-130	4		30
4-Nitrophenol	66		69		10-80	4		30
2,4-Dinitrophenol	83		84		20-130	1		30
4,6-Dinitro-o-cresol	84		87		20-164	4		30
Pentachlorophenol	82		81		9-103	1		30
Phenol	63		64		12-110	2		30
2-Methylphenol	69		72		30-130	4		30
3-Methylphenol/4-Methylphenol	79		81		30-130	3		30
2,4,5-Trichlorophenol	86		85		30-130	1		30
Benzoic Acid	65		60		10-164	8		30
Benzyl Alcohol	71		74		26-116	4		30
Carbazole	85		86		55-144	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233531-2 WG1233531-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		68		21-120
Phenol-d6	60		60		10-120
Nitrobenzene-d5	84		84		23-120
2-Fluorobiphenyl	84		83		15-120
2,4,6-Tribromophenol	77		75		10-120
4-Terphenyl-d14	83		84		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233532-2 WG1233532-3								
Acenaphthene	76		79		40-140	4		40
2-Chloronaphthalene	76		78		40-140	3		40
Fluoranthene	84		89		40-140	6		40
Hexachlorobutadiene	69		70		40-140	1		40
Naphthalene	76		77		40-140	1		40
Benzo(a)anthracene	83		89		40-140	7		40
Benzo(a)pyrene	89		96		40-140	8		40
Benzo(b)fluoranthene	84		90		40-140	7		40
Benzo(k)fluoranthene	88		93		40-140	6		40
Chrysene	79		84		40-140	6		40
Acenaphthylene	84		86		40-140	2		40
Anthracene	83		88		40-140	6		40
Benzo(ghi)perylene	86		92		40-140	7		40
Fluorene	81		84		40-140	4		40
Phenanthrene	79		83		40-140	5		40
Dibenzo(a,h)anthracene	88		95		40-140	8		40
Indeno(1,2,3-cd)pyrene	88		94		40-140	7		40
Pyrene	84		90		40-140	7		40
2-Methylnaphthalene	79		80		40-140	1		40
Pentachlorophenol	83		89		40-140	7		40
Hexachlorobenzene	65		67		40-140	3		40
Hexachloroethane	75		75		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,06,09,12,15-16 Batch: WG1233532-2 WG1233532-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		70		21-120
Phenol-d6	58		60		10-120
Nitrobenzene-d5	79		80		23-120
2-Fluorobiphenyl	77		79		15-120
2,4,6-Tribromophenol	60		63		10-120
4-Terphenyl-d14	85		91		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-2 WG1235154-3								
Acenaphthene	77		76		31-137	1		50
1,2,4-Trichlorobenzene	79		79		38-107	0		50
Hexachlorobenzene	86		86		40-140	0		50
Bis(2-chloroethyl)ether	73		73		40-140	0		50
2-Chloronaphthalene	87		84		40-140	4		50
1,2-Dichlorobenzene	72		73		40-140	1		50
1,3-Dichlorobenzene	70		71		40-140	1		50
1,4-Dichlorobenzene	71		71		28-104	0		50
3,3'-Dichlorobenzidine	68		66		40-140	3		50
2,4-Dinitrotoluene	93		93		40-132	0		50
2,6-Dinitrotoluene	98		96		40-140	2		50
Fluoranthene	95		97		40-140	2		50
4-Chlorophenyl phenyl ether	80		80		40-140	0		50
4-Bromophenyl phenyl ether	86		84		40-140	2		50
Bis(2-chloroisopropyl)ether	62		61		40-140	2		50
Bis(2-chloroethoxy)methane	79		80		40-117	1		50
Hexachlorobutadiene	81		79		40-140	3		50
Hexachlorocyclopentadiene	92		90		40-140	2		50
Hexachloroethane	75		76		40-140	1		50
Isophorone	86		87		40-140	1		50
Naphthalene	80		79		40-140	1		50
Nitrobenzene	84		84		40-140	0		50
NDPA/DPA	84		84		36-157	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-2 WG1235154-3								
n-Nitrosodi-n-propylamine	84		84		32-121	0		50
Bis(2-ethylhexyl)phthalate	87		86		40-140	1		50
Butyl benzyl phthalate	93		93		40-140	0		50
Di-n-butylphthalate	104		104		40-140	0		50
Di-n-octylphthalate	96		96		40-140	0		50
Diethyl phthalate	84		83		40-140	1		50
Dimethyl phthalate	96		94		40-140	2		50
Benzo(a)anthracene	92		92		40-140	0		50
Benzo(a)pyrene	90		92		40-140	2		50
Benzo(b)fluoranthene	96		98		40-140	2		50
Benzo(k)fluoranthene	89		90		40-140	1		50
Chrysene	82		82		40-140	0		50
Acenaphthylene	96		94		40-140	2		50
Anthracene	92		92		40-140	0		50
Benzo(ghi)perylene	92		92		40-140	0		50
Fluorene	81		81		40-140	0		50
Phenanthrene	88		88		40-140	0		50
Dibenzo(a,h)anthracene	94		94		40-140	0		50
Indeno(1,2,3-cd)pyrene	83		80		40-140	4		50
Pyrene	93		94		35-142	1		50
Biphenyl	89		88		54-104	1		50
4-Chloroaniline	64		60		40-140	6		50
2-Nitroaniline	100		98		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-2 WG1235154-3								
3-Nitroaniline	71		69		26-129	3		50
4-Nitroaniline	83		82		41-125	1		50
Dibenzofuran	79		78		40-140	1		50
2-Methylnaphthalene	85		83		40-140	2		50
1,2,4,5-Tetrachlorobenzene	89		86		40-117	3		50
Acetophenone	86		86		14-144	0		50
2,4,6-Trichlorophenol	108		105		30-130	3		50
p-Chloro-m-cresol	97		96		26-103	1		50
2-Chlorophenol	83		83		25-102	0		50
2,4-Dichlorophenol	93		94		30-130	1		50
2,4-Dimethylphenol	86		86		30-130	0		50
2-Nitrophenol	97		98		30-130	1		50
4-Nitrophenol	85		86		11-114	1		50
2,4-Dinitrophenol	95		99		4-130	4		50
4,6-Dinitro-o-cresol	114		116		10-130	2		50
Pentachlorophenol	83		84		17-109	1		50
Phenol	75		76		26-90	1		50
2-Methylphenol	85		85		30-130.	0		50
3-Methylphenol/4-Methylphenol	87		87		30-130	0		50
2,4,5-Trichlorophenol	101		100		30-130	1		50
Benzoic Acid	60		64		10-110	6		50
Benzyl Alcohol	85		85		40-140	0		50
Carbazole	92		93		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05,08,10,13-14 Batch: WG1235154-2 WG1235154-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		81		25-120
Phenol-d6	79		80		10-120
Nitrobenzene-d5	89		90		23-120
2-Fluorobiphenyl	87		86		30-120
2,4,6-Tribromophenol	97		97		10-136
4-Terphenyl-d14	94		94		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1235315-2 WG1235315-3								
Acenaphthene	80		74		31-137	8		50
1,2,4-Trichlorobenzene	76		70		38-107	8		50
Hexachlorobenzene	81		77		40-140	5		50
Bis(2-chloroethyl)ether	78		71		40-140	9		50
2-Chloronaphthalene	77		71		40-140	8		50
1,2-Dichlorobenzene	75		68		40-140	10		50
1,3-Dichlorobenzene	73		66		40-140	10		50
1,4-Dichlorobenzene	73		66		28-104	10		50
3,3'-Dichlorobenzidine	71		69		40-140	3		50
2,4-Dinitrotoluene	94		90		40-132	4		50
2,6-Dinitrotoluene	97		88		40-140	10		50
Fluoranthene	87		79		40-140	10		50
4-Chlorophenyl phenyl ether	78		74		40-140	5		50
4-Bromophenyl phenyl ether	83		78		40-140	6		50
Bis(2-chloroisopropyl)ether	73		66		40-140	10		50
Bis(2-chloroethoxy)methane	81		75		40-117	8		50
Hexachlorobutadiene	76		69		40-140	10		50
Hexachlorocyclopentadiene	89		81		40-140	9		50
Hexachloroethane	75		69		40-140	8		50
Isophorone	85		79		40-140	7		50
Naphthalene	80		72		40-140	11		50
Nitrobenzene	86		77		40-140	11		50
NDPA/DPA	83		78		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1235315-2 WG1235315-3								
n-Nitrosodi-n-propylamine	83		80		32-121	4		50
Bis(2-ethylhexyl)phthalate	100		94		40-140	6		50
Butyl benzyl phthalate	98		91		40-140	7		50
Di-n-butylphthalate	98		89		40-140	10		50
Di-n-octylphthalate	105		98		40-140	7		50
Diethyl phthalate	84		79		40-140	6		50
Dimethyl phthalate	85		79		40-140	7		50
Benzo(a)anthracene	94		87		40-140	8		50
Benzo(a)pyrene	92		86		40-140	7		50
Benzo(b)fluoranthene	90		84		40-140	7		50
Benzo(k)fluoranthene	98		91		40-140	7		50
Chrysene	87		80		40-140	8		50
Acenaphthylene	86		79		40-140	8		50
Anthracene	85		78		40-140	9		50
Benzo(ghi)perylene	87		80		40-140	8		50
Fluorene	82		78		40-140	5		50
Phenanthrene	80		74		40-140	8		50
Dibenzo(a,h)anthracene	88		82		40-140	7		50
Indeno(1,2,3-cd)pyrene	92		81		40-140	13		50
Pyrene	83		78		35-142	6		50
Biphenyl	83		77		54-104	8		50
4-Chloroaniline	76		73		40-140	4		50
2-Nitroaniline	92		86		47-134	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1235315-2 WG1235315-3								
3-Nitroaniline	64		63		26-129	2		50
4-Nitroaniline	83		78		41-125	6		50
Dibenzofuran	81		76		40-140	6		50
2-Methylnaphthalene	80		74		40-140	8		50
1,2,4,5-Tetrachlorobenzene	79		74		40-117	7		50
Acetophenone	88		81		14-144	8		50
2,4,6-Trichlorophenol	90		84		30-130	7		50
p-Chloro-m-cresol	92		84		26-103	9		50
2-Chlorophenol	83		75		25-102	10		50
2,4-Dichlorophenol	88		83		30-130	6		50
2,4-Dimethylphenol	85		79		30-130	7		50
2-Nitrophenol	94		88		30-130	7		50
4-Nitrophenol	103		95		11-114	8		50
2,4-Dinitrophenol	99		94		4-130	5		50
4,6-Dinitro-o-cresol	109		105		10-130	4		50
Pentachlorophenol	88		82		17-109	7		50
Phenol	81		75		26-90	8		50
2-Methylphenol	84		78		30-130.	7		50
3-Methylphenol/4-Methylphenol	84		80		30-130	5		50
2,4,5-Trichlorophenol	88		83		30-130	6		50
Benzoic Acid	77		78		10-110	1		50
Benzyl Alcohol	87		80		40-140	8		50
Carbazole	84		78		54-128	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1235315-2 WG1235315-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		79		25-120
Phenol-d6	87		80		10-120
Nitrobenzene-d5	89		83		23-120
2-Fluorobiphenyl	86		79		30-120
2,4,6-Tribromophenol	97		92		10-136
4-Terphenyl-d14	90		83		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-01
Client ID: SB-3 (5')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 04/30/19 11:30
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-02
Client ID: SB-3 (7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 04/30/19 12:10
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-04
Client ID: SB-4 (3-4')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil
Date Collected: 04/30/19 09:45
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.7		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-05
Client ID: SB-4 (5-6')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil
Date Collected: 04/30/19 10:00
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-07
Client ID: SB-6 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil
Date Collected: 04/30/19 12:10
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-08
Client ID: SB-6 (16-20)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil
Date Collected: 04/30/19 12:25
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-10
Client ID: SB-7 (3-7)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 04/30/19 11:00
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-11
Client ID: SB-7 (16-20)
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 04/30/19 11:20
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	05/02/19 03:22	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-13
Client ID: SB-8 (3-7')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil
Date Collected: 04/30/19 08:50
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	05/02/19 02:51	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918035
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918035-14
Client ID: SB-8 (16-20')
Sample Location: 2 BAYVIEW AVE., OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 04/30/19 09:15
Date Received: 05/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	05/02/19 02:51	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918035

Report Date: 05/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG1232656-1 QC Sample: L1917925-05 Client ID: DUP Sample						
Solids, Total	91.2	87.8	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,04-05,07-08,10-11 QC Batch ID: WG1232658-1 QC Sample: L1918035-02 Client ID: SB-3 (7')						
Solids, Total	91.5	88.1	%	4		20

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918035-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-01B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-01C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-01D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-01E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-02B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-02C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-02D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-02E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-03D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-03E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-04A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918035-04B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918035-04C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918035-04D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-04E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-05A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-05B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-05C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918035-05D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-05E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-06C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-06D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-06E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-07A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-07B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-07C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-07D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-08A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-08B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-08C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-08D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-08E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-09A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-09B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-09C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-09D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-09E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-10A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-10B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-10C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-10D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-10E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-11A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-11A1	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918035-11B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-11C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-11D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-11E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-12A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-12B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-12C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-12D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-12E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-13A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-13B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-13C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-13D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-13E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-14A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L1918035-14B	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-14C	Vial water preserved	A	NA		3.6	Y	Absent	02-MAY-19 02:50	NYTCL-8260HLW(14)
L1918035-14D	Vial unpreserved	A	NA		3.6	Y	Absent		TS(7)
L1918035-14E	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L1918035-15A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-15B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-15C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-15D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-15E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-16A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-16B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-16C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-16D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918035
Report Date: 05/14/19

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1918035-16E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918035-17A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L1918035-17B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918035
Project Number:	26183.01	**Report Date:**	05/14/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918035
Project Number:	26183.01	**Report Date:**	05/14/19

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

Terms

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918035
Project Number:	26183.01	**Report Date:**	05/14/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 5/1/19

ALPHA Job #: L1918035

Client Information
Client: VHB
Address: 100 Motor Parkway
Hauppauge, NY 11788
Phone: 631-787-3400
Fax:
Email: JStressler@VHB.com

Project Information
Project Name: Commander (Off-site)
Project Location: 2 Bayview Ave, Oyster Bay, NY 11771
Project #: 26183.01
(Use Project name as Project #) ☐
Project Manager: Stephen Kopiwoda
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
TCL VOCs | TCL SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total # Bottles
L1918035-01	SB-3 (5')	4/30/19	1130	S	JS	1503S Kit + 1Box	5
-02	SB-3 (7')		1210	S	JS	↓	↓
-03	GW-3		1150	GW	JS	2 ambers + 3 HCl vials	5
-04	SB-4 (3-4')		945	S	JS	1503S Kit + 1Box	
-05	SB-4 (5-6')		1000	S	JS	↓	
-06	GW-4		1045	GW	JS	2 Ambers + 3 HCl Vials	
-07	SB-6 (3-7)		1210	S	JS	1503S Kit + 1Box	
-08	SB-6 (16-20)		1225	S	JS	↓	
-09	GW-6		1245	GW	JS	2 Ambers + 3 HCl Vials	
-10	SB-7 (3-7)	↓	1100	S	JS	1503S Kit + 1Box	↓

Container Type: V | A/G
Preservative: B/O | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	5/1/19 14:47		5/1/19 14:50
	5/1/19 18:44		5/1/19 19:30
	5/1/19 23:10		5/1/19 23:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTANTS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 5/1/19

ALPHA Job #: L1918035

Client Information

Client: VHB
Address: 100 Motor Parkway
Hauppauge NY 11788
Phone: 631-787-3400
Fax:
Email: JStressler@VHB.com

Project Information

Project Name: Commander (088-572)
Project Location: 2 Bayview Ave, Oyster Bay NY 11771
Project #: 26183.01
(Use Project name as Project #)
Project Manager: Stephen Kaplan
ALPHAQuote #:

Turn-Around Time

Standard: [X]
Rush (only if pre approved): [ ]
Due Date:
# of Days:

These samples have been previously analyzed by Alpha: [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

- [ ] ASP-A
- [ ] ASP-B
- [ ] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Regulatory Requirement

- [X] NY TOGS
- [X] AWQ Standards
- [ ] NY Restricted Use
- [ ] NY Unrestricted Use
- [ ] NYC Sewer Discharge
- [ ] NY Part 375
- [ ] NY CP-51
- [ ] Other

Billing Information

- [ ] Same as Client Info

PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- [ ] NJ
- [ ] NY
- [ ] Other:

ANALYSIS

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total Bottle
18035-11	SB-7 (16-20)	4/30/19	1120	S	JS	X	X	1 5035 Kit + 8oz	5
-12	GW-7		1130	GW	JS	X	X	2 amber + 3 HCl vials	1
-13	SB-8 (3-7)		850	S	JS	X	X	1 5035 kit + 8oz	
-14	SB-8 (16-20)		915	S	JS	X	X	↓	
-15	GW-8	↓	1015	GW	JS	X	X	2 amber + 8oz	↓
-16	FB-1	4/30/19	1030	[illegible]	JS	X	X	2 amber + 7 vials	9
-17	TB-1	4/30/19	1106	DI	JS	X	X	2 VOAs	2

Container Type: V | A/G
Preservative: None | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/1/19 1442	[signature] MAL	5/1/19 1450
[signature]	5/1/19 1641	[signature]	5/1/19 FED
[signature]	5/1/19 2315	[signature] AAR	5/1/19 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

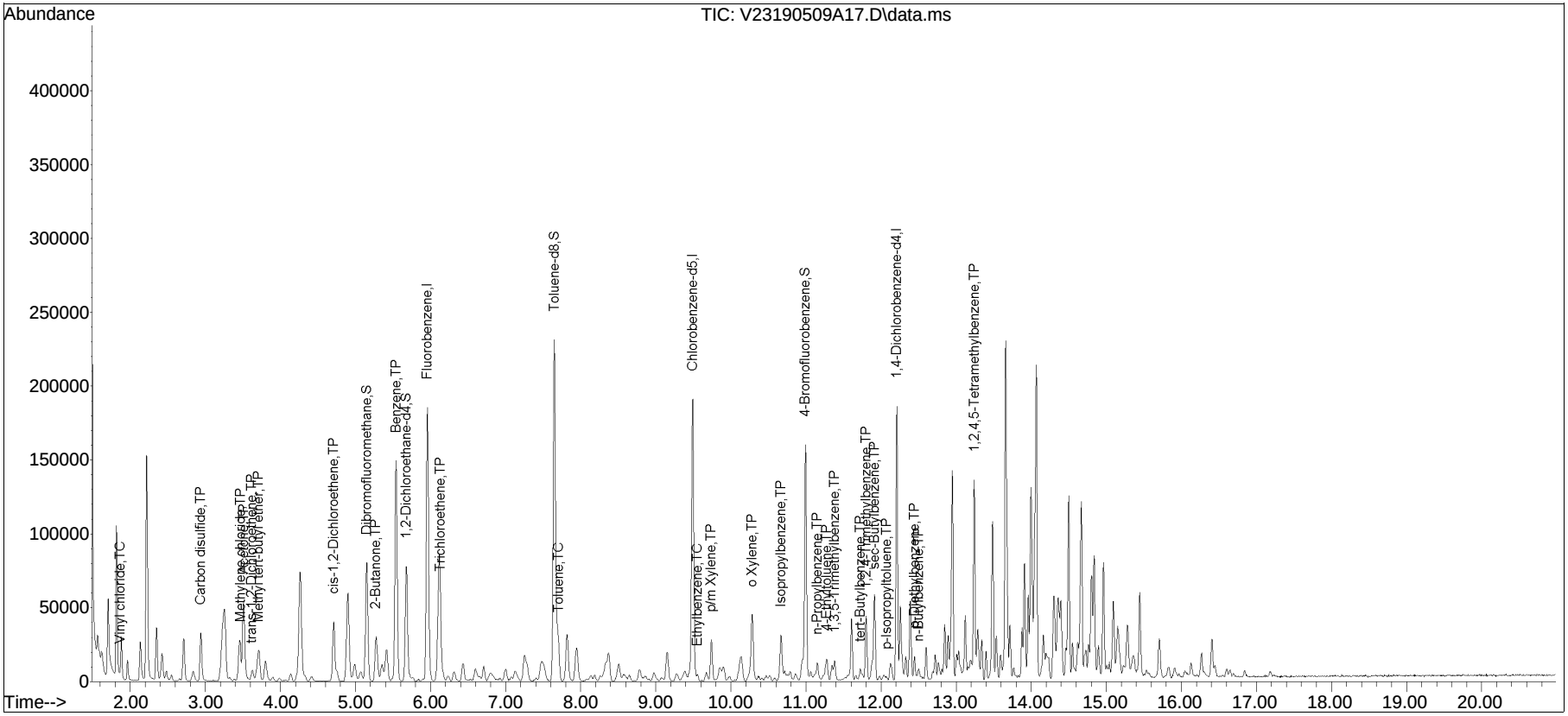
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA123\2019\190509A\
Data File : V23190509A17.D
Acq On : 09 May 2019 01:41 pm
Operator : VOA123:PK
Sample : l1918035-05,31,3.01,5,,b
Misc : WG1235388,ICAL15765
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 09 16:49:49 2019
Quant Method : I:\VOLATILES\VOA123\2019\190509A\V123_190506_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue May 07 12:19:17 2019
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox90509A\V23190509A01.D•

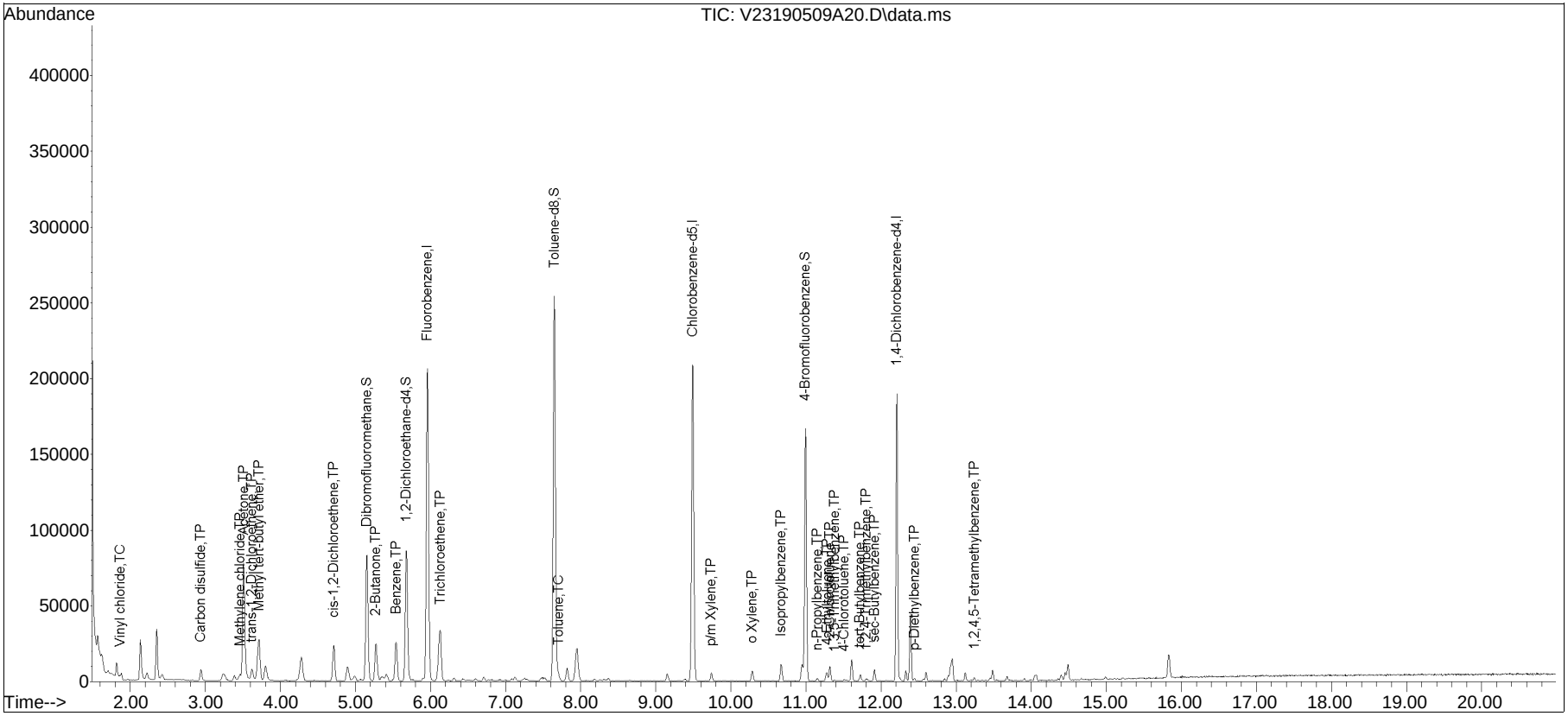


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA123\2019\190509A\
Data File : V23190509A20.D
Acq On : 09 May 2019 02:57 pm
Operator : VOA123:PK
Sample : l1918035-07,31,5.66,5,,b
Misc : WG1235388,ICAL15765
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 09 16:52:26 2019
Quant Method : I:\VOLATILES\VOA123\2019\190509A\V123_190506_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue May 07 12:19:17 2019
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox90509A\V23190509A01.D•



ANALYTICAL REPORT

Lab Number:	L1918387
Client:	VHB Engineering, Surveying and Landscape 100 Motor Parkway Suite 135 Hauppauge, NY 11788
ATTN:	Steve Kaplan
Phone:	(631) 234-3444
Project Name:	COMMANDER (OFF-SITE)
Project Number:	26183.01
Report Date:	05/14/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1918387-01	SB-1 (6')	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:00	05/02/19
L1918387-02	SB-1 (8.5')	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 08:50	05/02/19
L1918387-03	SB-2 (10')	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 11:15	05/02/19
L1918387-04	SB-2 (11')	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 11:20	05/02/19
L1918387-05	SB-5 (4-8)	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:30	05/02/19
L1918387-06	SB-5 (16-20)	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:35	05/02/19
L1918387-07	SB-6 (3-7)	SOIL	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:05	05/02/19
L1918387-08	GW-1	WATER	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:10	05/02/19
L1918387-09	GW-2	WATER	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 11:30	05/02/19
L1918387-10	GW-5	WATER	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 09:50	05/02/19
L1918387-11	FB-2	FIELD BLANK	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 10:10	05/02/19
L1918387-12	TB-2	TRIP BLANK (AQUEOUS)	2 BAYVIEW AVENUE, OYSTER BAY, NY 11771	05/01/19 12:00	05/02/19

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918387
Project Number:	26183.01	**Report Date:**	05/14/19

Case Narrative

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

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

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

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

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

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

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918387
Project Number:	26183.01	**Report Date:**	05/14/19

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1918387-09: Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/14/19

ORGANICS

VOLATILES

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01 Date Collected: 05/01/19 09:00

Client ID: SB-1 (6') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/10/19 13:59

Analyst: JC

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	0.62	J	ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01 Date Collected: 05/01/19 09:00

Client ID: SB-1 (6') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	56		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	6.6	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01 Date Collected: 05/01/19 09:00

Client ID: SB-1 (6') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	94		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02 Date Collected: 05/01/19 08:50

Client ID: SB-1 (8.5') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/10/19 14:25

Analyst: NLK

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	3.1	J	ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	0.82		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	1.3		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02 Date Collected: 05/01/19 08:50

Client ID: SB-1 (8.5') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	0.33	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.33	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	91		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	1.4		ug/kg	1.1	0.18	1
sec-Butylbenzene	3.4		ug/kg	1.1	0.16	1
tert-Butylbenzene	0.91	J	ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	1.8		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02 Date Collected: 05/01/19 08:50

Client ID: SB-1 (8.5') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	2.2		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	2.6		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	21		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	93		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03 Date Collected: 05/01/19 11:15
Client ID: SB-2 (10') Date Received: 05/02/19
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/19 13:07
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	55	8.0	1
Chloroform	ND		ug/kg	82	7.7	1
Carbon tetrachloride	ND		ug/kg	55	13.	1
1,2-Dichloropropane	ND		ug/kg	55	6.9	1
Dibromochloromethane	ND		ug/kg	55	7.7	1
1,1,2-Trichloroethane	ND		ug/kg	55	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.0	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	55	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.2	1
Bromodichloromethane	ND		ug/kg	28	6.0	1
trans-1,3-Dichloropropene	ND		ug/kg	55	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.7	1
1,3-Dichloropropene, Total	ND		ug/kg	28	8.7	1
1,1-Dichloropropene	ND		ug/kg	28	8.7	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.1	1
Benzene	27	J	ug/kg	28	9.1	1
Toluene	96		ug/kg	55	30.	1
Ethylbenzene	19	J	ug/kg	55	7.8	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	69	J	ug/kg	110	32.	1
Vinyl chloride	1400		ug/kg	55	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	55	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	82	7.5	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03 Date Collected: 05/01/19 11:15

Client ID: SB-2 (10') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.9	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.4	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	31.	1
o-Xylene	ND		ug/kg	55	16.	1
Xylenes, Total	ND		ug/kg	55	16.	1
cis-1,2-Dichloroethene	35	J	ug/kg	55	9.6	1
1,2-Dichloroethene, Total	35	J	ug/kg	55	7.5	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	55	11.	1
Dichlorodifluoromethane	ND		ug/kg	550	50.	1
Acetone	ND		ug/kg	550	260	1
Carbon disulfide	ND		ug/kg	550	250	1
2-Butanone	ND		ug/kg	550	120	1
Vinyl acetate	ND		ug/kg	550	120	1
4-Methyl-2-pentanone	ND		ug/kg	550	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.0	1
2-Hexanone	ND		ug/kg	550	65.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	55	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.3	1
Bromobenzene	ND		ug/kg	110	8.0	1
n-Butylbenzene	64		ug/kg	55	9.2	1
sec-Butylbenzene	44	J	ug/kg	55	8.0	1
tert-Butylbenzene	ND		ug/kg	110	6.5	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	55.	1
Hexachlorobutadiene	ND		ug/kg	220	9.3	1
Isopropylbenzene	30	J	ug/kg	55	6.0	1
p-Isopropyltoluene	16	J	ug/kg	55	6.0	1
Naphthalene	210	J	ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03 Date Collected: 05/01/19 11:15

Client ID: SB-2 (10') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	70		ug/kg	55	9.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	39	J	ug/kg	110	9.7	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	200		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	78.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04 Date Collected: 05/01/19 11:20

Client ID: SB-2 (11') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/10/19 13:33

Analyst: JC

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	430	200	1
1,1-Dichloroethane	ND		ug/kg	86	12.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	86	20.	1
1,2-Dichloropropane	ND		ug/kg	86	11.	1
Dibromochloromethane	ND		ug/kg	86	12.	1
1,1,2-Trichloroethane	ND		ug/kg	86	23.	1
Tetrachloroethene	ND		ug/kg	43	17.	1
Chlorobenzene	ND		ug/kg	43	11.	1
Trichlorofluoromethane	ND		ug/kg	340	59.	1
1,2-Dichloroethane	ND		ug/kg	86	22.	1
1,1,1-Trichloroethane	ND		ug/kg	43	14.	1
Bromodichloromethane	ND		ug/kg	43	9.3	1
trans-1,3-Dichloropropene	ND		ug/kg	86	23.	1
cis-1,3-Dichloropropene	ND		ug/kg	43	14.	1
1,3-Dichloropropene, Total	ND		ug/kg	43	14.	1
1,1-Dichloropropene	ND		ug/kg	43	14.	1
Bromoform	ND		ug/kg	340	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	43	14.	1
Benzene	180		ug/kg	43	14.	1
Toluene	330		ug/kg	86	46.	1
Ethylbenzene	56	J	ug/kg	86	12.	1
Chloromethane	ND		ug/kg	340	80.	1
Bromomethane	110	J	ug/kg	170	50.	1
Vinyl chloride	8100		ug/kg	86	29.	1
Chloroethane	ND		ug/kg	170	39.	1
1,1-Dichloroethene	25	J	ug/kg	86	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04 Date Collected: 05/01/19 11:20

Client ID: SB-2 (11') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	89		ug/kg	43	12.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1
1,3-Dichlorobenzene	ND		ug/kg	170	13.	1
1,4-Dichlorobenzene	ND		ug/kg	170	15.	1
Methyl tert butyl ether	18	J	ug/kg	170	17.	1
p/m-Xylene	72	J	ug/kg	170	48.	1
o-Xylene	26	J	ug/kg	86	25.	1
Xylenes, Total	98	J	ug/kg	86	25.	1
cis-1,2-Dichloroethene	5100		ug/kg	86	15.	1
1,2-Dichloroethene, Total	5100		ug/kg	86	12.	1
Dibromomethane	ND		ug/kg	170	20.	1
Styrene	ND		ug/kg	86	17.	1
Dichlorodifluoromethane	ND		ug/kg	860	78.	1
Acetone	ND		ug/kg	860	410	1
Carbon disulfide	ND		ug/kg	860	390	1
2-Butanone	ND		ug/kg	860	190	1
Vinyl acetate	ND		ug/kg	860	180	1
4-Methyl-2-pentanone	ND		ug/kg	860	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	11.	1
2-Hexanone	ND		ug/kg	860	100	1
Bromochloromethane	ND		ug/kg	170	18.	1
2,2-Dichloropropane	ND		ug/kg	170	17.	1
1,2-Dibromoethane	ND		ug/kg	86	24.	1
1,3-Dichloropropane	ND		ug/kg	170	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	43	11.	1
Bromobenzene	ND		ug/kg	170	12.	1
n-Butylbenzene	74	J	ug/kg	86	14.	1
sec-Butylbenzene	66	J	ug/kg	86	12.	1
tert-Butylbenzene	ND		ug/kg	170	10.	1
o-Chlorotoluene	ND		ug/kg	170	16.	1
p-Chlorotoluene	ND		ug/kg	170	9.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	85.	1
Hexachlorobutadiene	ND		ug/kg	340	14.	1
Isopropylbenzene	47	J	ug/kg	86	9.3	1
p-Isopropyltoluene	17	J	ug/kg	86	9.3	1
Naphthalene	130	J	ug/kg	340	56.	1
Acrylonitrile	ND		ug/kg	340	98.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04 Date Collected: 05/01/19 11:20

Client ID: SB-2 (11') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	110		ug/kg	86	15.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	23.	1
1,3,5-Trimethylbenzene	18	J	ug/kg	170	16.	1
1,2,4-Trimethylbenzene	64	J	ug/kg	170	28.	1
1,4-Dioxane	ND		ug/kg	6800	3000	1
p-Diethylbenzene	56	J	ug/kg	170	15.	1
p-Ethyltoluene	ND		ug/kg	170	33.	1
1,2,4,5-Tetramethylbenzene	250		ug/kg	170	16.	1
Ethyl ether	ND		ug/kg	170	29.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	430	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	93		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05 Date Collected: 05/01/19 09:30

Client ID: SB-5 (4-8) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/10/19 14:51

Analyst: NLK

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	5.0	J	ug/kg	8.2	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	ND		ug/kg	0.82	0.32	1
Chlorobenzene	ND		ug/kg	0.82	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.27	1
Bromodichloromethane	ND		ug/kg	0.82	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.82	0.26	1
Bromoform	ND		ug/kg	6.6	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.27	1
Benzene	ND		ug/kg	0.82	0.27	1
Toluene	ND		ug/kg	1.6	0.89	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.95	1
Vinyl chloride	0.65	J	ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.22	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05 Date Collected: 05/01/19 09:30

Client ID: SB-5 (4-8) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.82	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.92	1
o-Xylene	ND		ug/kg	1.6	0.48	1
Xylenes, Total	ND		ug/kg	1.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.3	0.39	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	91		ug/kg	16	7.9	1
Carbon disulfide	ND		ug/kg	16	7.5	1
2-Butanone	8.0	J	ug/kg	16	3.6	1
Vinyl acetate	ND		ug/kg	16	3.5	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.46	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.19	1
o-Chlorotoluene	ND		ug/kg	3.3	0.31	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.28	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.18	1
Naphthalene	ND		ug/kg	6.6	1.1	1
Acrylonitrile	ND		ug/kg	6.6	1.9	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05 Date Collected: 05/01/19 09:30

Client ID: SB-5 (4-8) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.53	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.55	1
1,4-Dioxane	ND		ug/kg	130	58.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.29	1
p-Ethyltoluene	ND		ug/kg	3.3	0.63	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.31	1
Ethyl ether	ND		ug/kg	3.3	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	95		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06 Date Collected: 05/01/19 09:35

Client ID: SB-5 (16-20) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/10/19 15:17

Analyst: NLK

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	0.48	J	ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06 Date Collected: 05/01/19 09:35

Client ID: SB-5 (16-20) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	12		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06 Date Collected: 05/01/19 09:35

Client ID: SB-5 (16-20) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08 Date Collected: 05/01/19 09:10
Client ID: GW-1 Date Received: 05/02/19
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/19 19:47
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	6.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.76	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08 Date Collected: 05/01/19 09:10

Client ID: GW-1 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	2.2	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.72	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.72	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	1.8	J	ug/l	2.5	0.70	1
sec-Butylbenzene	3.5		ug/l	2.5	0.70	1
tert-Butylbenzene	1.2	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	5.7		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08 Date Collected: 05/01/19 09:10

Client ID: GW-1 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	7.2		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	3.6		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	27		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 D2 Date Collected: 05/01/19 11:30
Client ID: GW-2 Date Received: 05/02/19
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/10/19 14:10
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	13000		ug/l	250	18.	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 D
Client ID: GW-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/19 19:19
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	16	J	ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
1,3-Dichloropropene, Total	ND		ug/l	10	2.9	20
1,1-Dichloropropene	ND		ug/l	50	14.	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	160		ug/l	10	3.2	20
Toluene	200		ug/l	50	14.	20
Ethylbenzene	20	J	ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	27000	E	ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	9.6	J	ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 D Date Collected: 05/01/19 11:30

Client ID: GW-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	120		ug/l	50	14.	20
p/m-Xylene	26	J	ug/l	50	14.	20
o-Xylene	22	J	ug/l	50	14.	20
Xylenes, Total	48	J	ug/l	50	14.	20
cis-1,2-Dichloroethene	3700		ug/l	50	14.	20
1,2-Dichloroethene, Total	3700		ug/l	50	14.	20
Dibromomethane	ND		ug/l	100	20.	20
1,2,3-Trichloropropane	ND		ug/l	50	14.	20
Acrylonitrile	ND		ug/l	100	30.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
Vinyl acetate	ND		ug/l	100	20.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
2,2-Dichloropropane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,3-Dichloropropane	ND		ug/l	50	14.	20
1,1,1,2-Tetrachloroethane	ND		ug/l	50	14.	20
Bromobenzene	ND		ug/l	50	14.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
o-Chlorotoluene	ND		ug/l	50	14.	20
p-Chlorotoluene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Hexachlorobutadiene	ND		ug/l	50	14.	20
Isopropylbenzene	22	J	ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	35	J	ug/l	50	14.	20

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 D Date Collected: 05/01/19 11:30

Client ID: GW-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	32	J	ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
1,4-Dioxane	ND		ug/l	5000	1200	20
p-Diethylbenzene	ND		ug/l	40	14.	20
p-Ethyltoluene	ND		ug/l	40	14.	20
1,2,4,5-Tetramethylbenzene	68		ug/l	40	11.	20
Ethyl ether	ND		ug/l	50	14.	20
trans-1,4-Dichloro-2-butene	ND		ug/l	50	14.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10 Date Collected: 05/01/19 09:50

Client ID: GW-5 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 05/09/19 18:51

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.19	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10 Date Collected: 05/01/19 09:50

Client ID: GW-5 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	1.8	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10 Date Collected: 05/01/19 09:50

Client ID: GW-5 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11 Date Collected: 05/01/19 10:10
Client ID: FB-2 Date Received: 05/02/19
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 05/09/19 18:23
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11 Date Collected: 05/01/19 10:10

Client ID: FB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11 Date Collected: 05/01/19 10:10

Client ID: FB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-12 Date Collected: 05/01/19 12:00
Client ID: TB-2 Date Received: 05/02/19
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 05/09/19 17:56
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-12 Date Collected: 05/01/19 12:00

Client ID: TB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-12 Date Collected: 05/01/19 12:00

Client ID: TB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 09:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1235584-10					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 09:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1235584-10					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 09:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1235584-10					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1235584-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1235584-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/19 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1235584-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1235879-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	70	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1235879-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1235879-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	93		70-130

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1235880-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.4	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1235880-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/19 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1235880-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1235584-3 WG1235584-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	97		98		70-130	1		20
Chloroform	90		95		70-130	5		20
Carbon tetrachloride	84		84		63-132	0		20
1,2-Dichloropropane	96		94		70-130	2		20
Dibromochloromethane	88		90		63-130	2		20
1,1,2-Trichloroethane	93		95		70-130	2		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	87		88		62-150	1		20
1,2-Dichloroethane	87		92		70-130	6		20
1,1,1-Trichloroethane	88		90		67-130	2		20
Bromodichloromethane	91		90		67-130	1		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	89		89		70-130	0		20
1,1-Dichloropropene	88		92		70-130	4		20
Bromoform	94		89		54-136	5		20
1,1,2,2-Tetrachloroethane	95		94		67-130	1		20
Benzene	95		98		70-130	3		20
Toluene	92		95		70-130	3		20
Ethylbenzene	99		97		70-130	2		20
Chloromethane	100		100		64-130	0		20
Bromomethane	94		92		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918387

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1235584-3 WG1235584-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	96		95		70-130	1		20
1,2-Dichlorobenzene	96		97		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	94		98		63-130	4		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	97		100		70-130	3		20
Dibromomethane	91		89		70-130	2		20
1,2,3-Trichloropropane	95		94		64-130	1		20
Acrylonitrile	94		96		70-130	2		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	90		88		36-147	2		20
Acetone	91		100		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	86		91		63-138	6		20
Vinyl acetate	91		94		70-130	3		20
4-Methyl-2-pentanone	83		83		59-130	0		20
2-Hexanone	82		84		57-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1235584-3 WG1235584-4								
Bromochloromethane	94		98		70-130	4		20
2,2-Dichloropropane	96		98		63-133	2		20
1,2-Dibromoethane	92		96		70-130	4		20
1,3-Dichloropropane	95		94		70-130	1		20
1,1,1,2-Tetrachloroethane	94		93		64-130	1		20
Bromobenzene	99		95		70-130	4		20
n-Butylbenzene	100		98		53-136	2		20
sec-Butylbenzene	93		89		70-130	4		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	83		91		41-144	9		20
Hexachlorobutadiene	87		90		63-130	3		20
Isopropylbenzene	100		97		70-130	3		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	85		92		70-130	8		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	86		93		70-130	8		20
1,2,4-Trichlorobenzene	87		94		70-130	8		20
1,3,5-Trimethylbenzene	100		98		64-130	2		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	90		84		56-162	7		20
p-Diethylbenzene	98		97		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1235584-3 WG1235584-4								
p-Ethyltoluene	100		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	93		97		70-130	4		20
Ethyl ether	94		97		59-134	3		20
trans-1,4-Dichloro-2-butene	88		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	104		100		70-130
Dibromofluoromethane	93		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1235584-8 WG1235584-9								
Methylene chloride	88		87		70-130	1		20
1,1-Dichloroethane	88		95		70-130	8		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	92		92		63-132	0		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	93		95		70-130	2		20
Tetrachloroethene	99		99		70-130	0		20
Chlorobenzene	97		99		75-130	2		20
Trichlorofluoromethane	94		86		62-150	9		20
1,2-Dichloroethane	95		88		70-130	8		20
1,1,1-Trichloroethane	97		94		67-130	3		20
Bromodichloromethane	91		92		67-130	1		20
trans-1,3-Dichloropropene	93		94		70-130	1		20
cis-1,3-Dichloropropene	86		92		70-130	7		20
1,1-Dichloropropene	98		93		70-130	5		20
Bromoform	91		93		54-136	2		20
1,1,2,2-Tetrachloroethane	89		93		67-130	4		20
Benzene	100		99		70-130	1		20
Toluene	98		100		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	86		86		64-130	0		20
Bromomethane	82		76		39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1235584-8 WG1235584-9								
Vinyl chloride	92		90		55-140	2		20
Chloroethane	99		92		55-138	7		20
1,1-Dichloroethene	91		90		61-145	1		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	99		99		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	92		93		70-130	1		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Acrylonitrile	83		91		70-130	9		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		84		36-147	5		20
Acetone	83		81		58-148	2		20
Carbon disulfide	91		88		51-130	3		20
2-Butanone	93		89		63-138	4		20
Vinyl acetate	92		90		70-130	2		20
4-Methyl-2-pentanone	78		83		59-130	6		20
2-Hexanone	78		81		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1235584-8 WG1235584-9								
Bromochloromethane	100		98		70-130	2		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	99		97		70-130	2		20
1,3-Dichloropropane	98		94		70-130	4		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	92		92		70-130	0		20
tert-Butylbenzene	98		100		70-130	2		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	84		88		41-144	5		20
Hexachlorobutadiene	94		96		63-130	2		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	91		95		70-130	4		20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	91		94		70-130	3		20
1,2,4-Trichlorobenzene	93		95		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	78		88		56-162	12		20
p-Diethylbenzene	99		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1235584-8 WG1235584-9								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	86		82		59-134	5		20
trans-1,4-Dichloro-2-butene	81		84		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		92		70-130
Toluene-d8	99		107		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1235879-3 WG1235879-4								
Methylene chloride	100		102		70-130	2		30
1,1-Dichloroethane	117		119		70-130	2		30
Chloroform	106		108		70-130	2		30
Carbon tetrachloride	92		95		70-130	3		30
1,2-Dichloropropane	120		124		70-130	3		30
Dibromochloromethane	90		93		70-130	3		30
1,1,2-Trichloroethane	102		106		70-130	4		30
Tetrachloroethene	82		82		70-130	0		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	72		73		70-139	1		30
1,2-Dichloroethane	110		113		70-130	3		30
1,1,1-Trichloroethane	98		99		70-130	1		30
Bromodichloromethane	103		105		70-130	2		30
trans-1,3-Dichloropropene	106		109		70-130	3		30
cis-1,3-Dichloropropene	108		111		70-130	3		30
1,1-Dichloropropene	106		109		70-130	3		30
Bromoform	84		88		70-130	5		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30
Benzene	106		108		70-130	2		30
Toluene	100		101		70-130	1		30
Ethylbenzene	98		100		70-130	2		30
Chloromethane	103		103		52-130	0		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1235879-3 WG1235879-4								
Vinyl chloride	86		87		67-130	1		30
Chloroethane	80		82		50-151	2		30
1,1-Dichloroethene	90		93		65-135	3		30
trans-1,2-Dichloroethene	94		96		70-130	2		30
Trichloroethene	98		101		70-130	3		30
1,2-Dichlorobenzene	88		90		70-130	2		30
1,3-Dichlorobenzene	90		90		70-130	0		30
1,4-Dichlorobenzene	88		90		70-130	2		30
Methyl tert butyl ether	100		106		66-130	6		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	90		92		70-130	2		30
cis-1,2-Dichloroethene	95		98		70-130	3		30
Dibromomethane	98		102		70-130	4		30
Styrene	89		91		70-130	2		30
Dichlorodifluoromethane	66		67		30-146	2		30
Acetone	124		137		54-140	10		30
Carbon disulfide	98		100		59-130	2		30
2-Butanone	109		119		70-130	9		30
Vinyl acetate	120		126		70-130	5		30
4-Methyl-2-pentanone	108		120		70-130	11		30
1,2,3-Trichloropropane	102		106		68-130	4		30
2-Hexanone	114		124		70-130	8		30
Bromochloromethane	92		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1235879-3 WG1235879-4								
2,2-Dichloropropane	107		109		70-130	2		30
1,2-Dibromoethane	93		97		70-130	4		30
1,3-Dichloropropane	106		109		69-130	3		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	88		90		70-130	2		30
n-Butylbenzene	102		103		70-130	1		30
sec-Butylbenzene	99		99		70-130	0		30
tert-Butylbenzene	95		95		70-130	0		30
o-Chlorotoluene	105		107		70-130	2		30
p-Chlorotoluene	104		104		70-130	0		30
1,2-Dibromo-3-chloropropane	80		86		68-130	7		30
Hexachlorobutadiene	87		89		67-130	2		30
Isopropylbenzene	98		99		70-130	1		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	121		130		70-130	7		30
n-Propylbenzene	103		104		70-130	1		30
1,2,3-Trichlorobenzene	82		85		70-130	4		30
1,2,4-Trichlorobenzene	86		87		70-130	1		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	102		115		65-136	12		30
p-Diethylbenzene	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918387

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1235879-3 WG1235879-4								
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	91		92		70-130	1		30
Ethyl ether	102		107		67-130	5		30
trans-1,4-Dichloro-2-butene	114		121		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	118		116		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1235880-3 WG1235880-4								
Methylene chloride	100		102		70-130	2		30
1,1-Dichloroethane	117		119		70-130	2		30
Chloroform	106		108		70-130	2		30
Carbon tetrachloride	92		95		70-130	3		30
1,2-Dichloropropane	120		124		70-130	3		30
Dibromochloromethane	90		93		70-130	3		30
1,1,2-Trichloroethane	102		106		70-130	4		30
Tetrachloroethene	82		82		70-130	0		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	72		73		70-139	1		30
1,2-Dichloroethane	110		113		70-130	3		30
1,1,1-Trichloroethane	98		99		70-130	1		30
Bromodichloromethane	103		105		70-130	2		30
trans-1,3-Dichloropropene	106		109		70-130	3		30
cis-1,3-Dichloropropene	108		111		70-130	3		30
1,1-Dichloropropene	106		109		70-130	3		30
Bromoform	84		88		70-130	5		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30
Benzene	106		108		70-130	2		30
Toluene	100		101		70-130	1		30
Ethylbenzene	98		100		70-130	2		30
Chloromethane	103		103		52-130	0		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1235880-3 WG1235880-4								
Vinyl chloride	86		87		67-130	1		30
Chloroethane	80		82		50-151	2		30
1,1-Dichloroethene	90		93		65-135	3		30
trans-1,2-Dichloroethene	94		96		70-130	2		30
Trichloroethene	98		101		70-130	3		30
1,2-Dichlorobenzene	88		90		70-130	2		30
1,3-Dichlorobenzene	90		90		70-130	0		30
1,4-Dichlorobenzene	88		90		70-130	2		30
Methyl tert butyl ether	100		106		66-130	6		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	90		92		70-130	2		30
cis-1,2-Dichloroethene	95		98		70-130	3		30
Dibromomethane	98		102		70-130	4		30
Styrene	89		91		70-130	2		30
Dichlorodifluoromethane	66		67		30-146	2		30
Acetone	124		137		54-140	10		30
Carbon disulfide	98		100		59-130	2		30
2-Butanone	109		119		70-130	9		30
Vinyl acetate	120		126		70-130	5		30
4-Methyl-2-pentanone	108		120		70-130	11		30
1,2,3-Trichloropropane	102		106		68-130	4		30
2-Hexanone	114		124		70-130	8		30
Bromochloromethane	92		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1235880-3 WG1235880-4								
2,2-Dichloropropane	107		109		70-130	2		30
1,2-Dibromoethane	93		97		70-130	4		30
1,3-Dichloropropane	106		109		69-130	3		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	88		90		70-130	2		30
n-Butylbenzene	102		103		70-130	1		30
sec-Butylbenzene	99		99		70-130	0		30
tert-Butylbenzene	95		95		70-130	0		30
o-Chlorotoluene	105		107		70-130	2		30
p-Chlorotoluene	104		104		70-130	0		30
1,2-Dibromo-3-chloropropane	80		86		68-130	7		30
Hexachlorobutadiene	87		89		67-130	2		30
Isopropylbenzene	98		99		70-130	1		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	121		130		70-130	7		30
n-Propylbenzene	103		104		70-130	1		30
1,2,3-Trichlorobenzene	82		85		70-130	4		30
1,2,4-Trichlorobenzene	86		87		70-130	1		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	102		115		65-136	12		30
p-Diethylbenzene	94		94		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1235880-3 WG1235880-4								
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	91		92		70-130	1		30
Ethyl ether	102		107		67-130	5		30
trans-1,4-Dichloro-2-butene	114		121		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	118		116		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01
Client ID: SB-1 (6')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:00
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 22:12
Analyst: ALS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	130		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01 Date Collected: 05/01/19 09:00

Client ID: SB-1 (6') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	61	J	ug/kg	120	22.	1
Benzo(a)pyrene	62	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	96	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	64	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	50	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	78	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	27.	1
Pyrene	100	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	450	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	37	J	ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01 Date Collected: 05/01/19 09:00

Client ID: SB-1 (6') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	73		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02
Client ID: SB-1 (8.5')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 08:50
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 17:12
Analyst: ALS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	23	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02 Date Collected: 05/01/19 08:50

Client ID: SB-1 (8.5') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	35	J	ug/kg	190	18.	1
Phenanthrene	34	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02 Date Collected: 05/01/19 08:50

Client ID: SB-1 (8.5') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	81		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03
Client ID: SB-2 (10')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:15
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 19:14
Analyst: ALS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	64	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	64	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	46	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03 Date Collected: 05/01/19 11:15

Client ID: SB-2 (10') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	27	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	21	J	ug/kg	120	20.	1
Acenaphthylene	30	J	ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	120	J	ug/kg	190	19.	1
Phenanthrene	250		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	68	J	ug/kg	150	27.	1
Pyrene	58	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	62	J	ug/kg	190	18.	1
2-Methylnaphthalene	530		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03 Date Collected: 05/01/19 11:15

Client ID: SB-2 (10') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	60		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04
Client ID: SB-2 (11')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:20
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 17:38
Analyst: ALS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	83	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	57.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	1800		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	240		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	74.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	73.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04 Date Collected: 05/01/19 11:20

Client ID: SB-2 (11') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	1300		ug/kg	130	24.	1
Benzo(a)pyrene	1200		ug/kg	170	52.	1
Benzo(b)fluoranthene	1300		ug/kg	130	36.	1
Benzo(k)fluoranthene	490		ug/kg	130	34.	1
Chrysene	1200		ug/kg	130	22.	1
Acenaphthylene	120	J	ug/kg	170	33.	1
Anthracene	250		ug/kg	130	42.	1
Benzo(ghi)perylene	820		ug/kg	170	25.	1
Fluorene	120	J	ug/kg	220	21.	1
Phenanthrene	610		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	130		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	760		ug/kg	170	30.	1
Pyrene	2300		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	89.	1
Dibenzofuran	63	J	ug/kg	220	20.	1
2-Methylnaphthalene	420		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	220	32.	1
2-Methylphenol	ND		ug/kg	220	33.	1
3-Methylphenol/4-Methylphenol	68	J	ug/kg	310	34.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04 Date Collected: 05/01/19 11:20

Client ID: SB-2 (11') Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	42	J	ug/kg	220	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	59		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05
Client ID: SB-5 (4-8)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 22:38
Analyst: ALS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	220		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	81	J	ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05 Date Collected: 05/01/19 09:30

Client ID: SB-5 (4-8) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	160		ug/kg	110	31.	1
Benzo(k)fluoranthene	57	J	ug/kg	110	30.	1
Chrysene	120		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	88	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	100	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	150	26.	1
Pyrene	190		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05 Date Collected: 05/01/19 09:30

Client ID: SB-5 (4-8) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	62		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06
Client ID: SB-5 (16-20)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 16:28
Analyst: ALS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06 Date Collected: 05/01/19 09:35

Client ID: SB-5 (16-20) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06 Date Collected: 05/01/19 09:35

Client ID: SB-5 (16-20) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	73		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-07
Client ID: SB-6 (3-7)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:05
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/13/19 19:20
Analyst: ALS
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	6100		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	500		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-07 Date Collected: 05/01/19 09:05

Client ID: SB-6 (3-7) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	3800		ug/kg	130	24.	1
Benzo(a)pyrene	3100		ug/kg	170	53.	1
Benzo(b)fluoranthene	3500		ug/kg	130	37.	1
Benzo(k)fluoranthene	1400		ug/kg	130	35.	1
Chrysene	3000		ug/kg	130	23.	1
Acenaphthylene	550		ug/kg	170	34.	1
Anthracene	2600		ug/kg	130	42.	1
Benzo(ghi)perylene	1500		ug/kg	170	26.	1
Fluorene	1600		ug/kg	220	21.	1
Phenanthrene	6700		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	340		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	170	30.	1
Pyrene	5800		ug/kg	130	22.	1
Biphenyl	150	J	ug/kg	500	50.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	950		ug/kg	220	20.	1
2-Methylnaphthalene	340		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	36	J	ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	48	J	ug/kg	310	34.	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-07 Date Collected: 05/01/19 09:05

Client ID: SB-6 (3-7) Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	800		ug/kg	220	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	74		18-120

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08
Client ID: GW-1
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:10
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/12/19 19:40
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08 Date Collected: 05/01/19 09:10

Client ID: GW-1 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	76		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08
Client ID: GW-1
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:10
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/12/19 16:05
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.8		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.14		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.26		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	0.34		ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.01	1
Fluorene	1.1		ug/l	0.10	0.01	1
Phenanthrene	0.32		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.01	1
Pyrene	0.10		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.35		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-08 Date Collected: 05/01/19 09:10

Client ID: GW-1 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	73		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09
Client ID: GW-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/10/19 22:12
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 Date Collected: 05/01/19 11:30

Client ID: GW-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	4.2		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	1.1	J	ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	52		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09
Client ID: GW-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/12/19 16:31
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.2		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.3		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	6.4		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.43		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.30		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.34		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.18		ug/l	0.10	0.01	1
Chrysene	0.36		ug/l	0.10	0.01	1
Acenaphthylene	1.7		ug/l	0.10	0.01	1
Anthracene	0.70		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.13		ug/l	0.10	0.01	1
Fluorene	8.6		ug/l	0.10	0.01	1
Phenanthrene	12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.16		ug/l	0.10	0.01	1
Pyrene	1.1		ug/l	0.10	0.02	1
2-Methylnaphthalene	62	E	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 Date Collected: 05/01/19 11:30

Client ID: GW-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	68		41-149

Project Name: COMMANDER (OFF-SITE)
Lab Number: L1918387
Project Number: 26183.01
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-09 D
Client ID: GW-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 11:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/14/19 15:09
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
2-Methylnaphthalene	80		ug/l	0.50	0.11	5

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10
Client ID: GW-5
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:50
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/11/19 15:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10 Date Collected: 05/01/19 09:50

Client ID: GW-5 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	56		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10
Client ID: GW-5
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 09:50
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/11/19 16:18
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.16		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.46		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.28		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.27		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.40		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.14		ug/l	0.10	0.01	1
Chrysene	0.27		ug/l	0.10	0.01	1
Acenaphthylene	0.06	J	ug/l	0.10	0.01	1
Anthracene	0.07	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.26		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.21		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.26		ug/l	0.10	0.01	1
Pyrene	0.44		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-10 Date Collected: 05/01/19 09:50

Client ID: GW-5 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	50		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11
Client ID: FB-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 10:10
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 05/11/19 15:05
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 11:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11 Date Collected: 05/01/19 10:10

Client ID: FB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	75		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11
Client ID: FB-2
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771

Date Collected: 05/01/19 10:10
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 05/11/19 16:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/06/19 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-11 Date Collected: 05/01/19 10:10

Client ID: FB-2 Date Received: 05/02/19

Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	70		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 07:48
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/05/19 18:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1233829-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 07:48
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/05/19 18:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1233829-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/19 07:48
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/05/19 18:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1233829-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	78		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/08/19 01:52
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/05/19 18:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-11 Batch: WG1233830-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/08/19 01:52
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/05/19 18:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-11 Batch: WG1233830-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	36		10-120
4-Terphenyl-d14	82		41-149

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 13:25
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1235654-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	88	J	ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 13:25
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1235654-1					
Dimethyl phthalate	39	J	ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: COMMANDER (OFF-SITE) **Lab Number:** L1918387

Project Number: 26183.01 **Report Date:** 05/14/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/12/19 13:25
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1235654-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1233829-2 WG1233829-3								
Acenaphthene	84		86		37-111	2		30
1,2,4-Trichlorobenzene	78		82		39-98	5		30
Hexachlorobenzene	80		84		40-140	5		30
Bis(2-chloroethyl)ether	78		81		40-140	4		30
2-Chloronaphthalene	84		86		40-140	2		30
1,2-Dichlorobenzene	77		78		40-140	1		30
1,3-Dichlorobenzene	74		76		40-140	3		30
1,4-Dichlorobenzene	76		79		36-97	4		30
3,3'-Dichlorobenzidine	68		69		40-140	1		30
2,4-Dinitrotoluene	79		83		48-143	5		30
2,6-Dinitrotoluene	83		86		40-140	4		30
Fluoranthene	88		89		40-140	1		30
4-Chlorophenyl phenyl ether	82		85		40-140	4		30
4-Bromophenyl phenyl ether	83		88		40-140	6		30
Bis(2-chloroisopropyl)ether	78		77		40-140	1		30
Bis(2-chloroethoxy)methane	83		85		40-140	2		30
Hexachlorobutadiene	77		79		40-140	3		30
Hexachlorocyclopentadiene	74		75		40-140	1		30
Hexachloroethane	74		77		40-140	4		30
Isophorone	86		87		40-140	1		30
Naphthalene	80		82		40-140	2		30
Nitrobenzene	82		84		40-140	2		30
NDPA/DPA	82		87		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1233829-2 WG1233829-3								
n-Nitrosodi-n-propylamine	88		90		29-132	2		30
Bis(2-ethylhexyl)phthalate	91		95		40-140	4		30
Butyl benzyl phthalate	94		96		40-140	2		30
Di-n-butylphthalate	88		90		40-140	2		30
Di-n-octylphthalate	104		107		40-140	3		30
Diethyl phthalate	88		94		40-140	7		30
Dimethyl phthalate	89		92		40-140	3		30
Benzo(a)anthracene	85		86		40-140	1		30
Benzo(a)pyrene	93		91		40-140	2		30
Benzo(b)fluoranthene	97		88		40-140	10		30
Benzo(k)fluoranthene	86		91		40-140	6		30
Chrysene	83		84		40-140	1		30
Acenaphthylene	86		88		45-123	2		30
Anthracene	85		86		40-140	1		30
Benzo(ghi)perylene	85		86		40-140	1		30
Fluorene	84		87		40-140	4		30
Phenanthrene	84		85		40-140	1		30
Dibenzo(a,h)anthracene	87		87		40-140	0		30
Indeno(1,2,3-cd)pyrene	88		83		40-140	6		30
Pyrene	87		88		26-127	1		30
Biphenyl	87		90		40-140	3		30
4-Chloroaniline	55		72		40-140	27		30
2-Nitroaniline	82		85		52-143	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1233829-2 WG1233829-3								
3-Nitroaniline	64		68		25-145	6		30
4-Nitroaniline	71		75		51-143	5		30
Dibenzofuran	81		85		40-140	5		30
2-Methylnaphthalene	82		84		40-140	2		30
1,2,4,5-Tetrachlorobenzene	83		85		2-134	2		30
Acetophenone	83		86		39-129	4		30
2,4,6-Trichlorophenol	79		81		30-130	3		30
p-Chloro-m-cresol	81		88		23-97	8		30
2-Chlorophenol	80		83		27-123	4		30
2,4-Dichlorophenol	84		85		30-130	1		30
2,4-Dimethylphenol	31		43		30-130	**32**	Q	30
2-Nitrophenol	86		88		30-130	2		30
4-Nitrophenol	68		71		10-80	4		30
2,4-Dinitrophenol	81		76		20-130	6		30
4,6-Dinitro-o-cresol	85		87		20-164	2		30
Pentachlorophenol	67		67		9-103	0		30
Phenol	63		63		12-110	0		30
2-Methylphenol	66		73		30-130	10		30
3-Methylphenol/4-Methylphenol	74		79		30-130	7		30
2,4,5-Trichlorophenol	81		85		30-130	5		30
Benzoic Acid	50		30		10-164	**50**	Q	30
Benzyl Alcohol	78		79		26-116	1		30
Carbazole	89		90		55-144	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1233829-2 WG1233829-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		69		21-120
Phenol-d6	59		59		10-120
Nitrobenzene-d5	81		84		23-120
2-Fluorobiphenyl	84		86		15-120
2,4,6-Tribromophenol	71		75		10-120
4-Terphenyl-d14	84		85		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-11 Batch: WG1233830-2 WG1233830-3								
Acenaphthene	73		46		40-140	**45**	Q	40
2-Chloronaphthalene	74		47		40-140	**45**	Q	40
Fluoranthene	86		51		40-140	**51**	Q	40
Hexachlorobutadiene	63		41		40-140	**42**	Q	40
Naphthalene	68		44		40-140	**43**	Q	40
Benzo(a)anthracene	86		50		40-140	**53**	Q	40
Benzo(a)pyrene	94		54		40-140	**54**	Q	40
Benzo(b)fluoranthene	84		49		40-140	**53**	Q	40
Benzo(k)fluoranthene	93		54		40-140	**53**	Q	40
Chrysene	82		48		40-140	**52**	Q	40
Acenaphthylene	83		52		40-140	**46**	Q	40
Anthracene	86		52		40-140	**49**	Q	40
Benzo(ghi)perylene	77		45		40-140	**52**	Q	40
Fluorene	79		49		40-140	**47**	Q	40
Phenanthrene	77		46		40-140	**50**	Q	40
Dibenzo(a,h)anthracene	83		49		40-140	**52**	Q	40
Indeno(1,2,3-cd)pyrene	82		49		40-140	**50**	Q	40
Pyrene	86		51		40-140	**51**	Q	40
2-Methylnaphthalene	74		48		40-140	**43**	Q	40
Pentachlorophenol	76		45		40-140	**51**	Q	40
Hexachlorobenzene	64		**39**	Q	40-140	**49**	Q	40
Hexachloroethane	65		44		40-140	39		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918387

Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-11 Batch: WG1233830-2 WG1233830-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		36		21-120
Phenol-d6	49		32		10-120
Nitrobenzene-d5	68		45		23-120
2-Fluorobiphenyl	74		47		15-120
2,4,6-Tribromophenol	43		28		10-120
4-Terphenyl-d14	85		50		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1235654-2 WG1235654-3								
Acenaphthene	46		47		31-137	2		50
1,2,4-Trichlorobenzene	48		51		38-107	6		50
Hexachlorobenzene	51		53		40-140	4		50
Bis(2-chloroethyl)ether	45		46		40-140	2		50
2-Chloronaphthalene	52		54		40-140	4		50
1,2-Dichlorobenzene	46		47		40-140	2		50
1,3-Dichlorobenzene	45		45		40-140	0		50
1,4-Dichlorobenzene	44		46		28-104	4		50
3,3'-Dichlorobenzidine	40		41		40-140	2		50
2,4-Dinitrotoluene	56		59		40-132	5		50
2,6-Dinitrotoluene	58		61		40-140	5		50
Fluoranthene	57		60		40-140	5		50
4-Chlorophenyl phenyl ether	48		49		40-140	2		50
4-Bromophenyl phenyl ether	50		52		40-140	4		50
Bis(2-chloroisopropyl)ether	**39**	Q	40		40-140	3		50
Bis(2-chloroethoxy)methane	48		50		40-117	4		50
Hexachlorobutadiene	50		52		40-140	4		50
Hexachlorocyclopentadiene	55		58		40-140	5		50
Hexachloroethane	48		49		40-140	2		50
Isophorone	52		55		40-140	6		50
Naphthalene	49		50		40-140	2		50
Nitrobenzene	51		54		40-140	6		50
NDPA/DPA	50		52		36-157	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1235654-2 WG1235654-3								
n-Nitrosodi-n-propylamine	51		53		32-121	4		50
Bis(2-ethylhexyl)phthalate	53		55		40-140	4		50
Butyl benzyl phthalate	59		62		40-140	5		50
Di-n-butylphthalate	62		65		40-140	5		50
Di-n-octylphthalate	61		63		40-140	3		50
Diethyl phthalate	50		52		40-140	4		50
Dimethyl phthalate	58		60		40-140	3		50
Benzo(a)anthracene	54		55		40-140	2		50
Benzo(a)pyrene	54		55		40-140	2		50
Benzo(b)fluoranthene	55		58		40-140	5		50
Benzo(k)fluoranthene	55		54		40-140	2		50
Chrysene	48		49		40-140	2		50
Acenaphthylene	58		60		40-140	3		50
Anthracene	55		56		40-140	2		50
Benzo(ghi)perylene	52		54		40-140	4		50
Fluorene	49		50		40-140	2		50
Phenanthrene	51		52		40-140	2		50
Dibenzo(a,h)anthracene	54		55		40-140	2		50
Indeno(1,2,3-cd)pyrene	48		48		40-140	0		50
Pyrene	55		58		35-142	5		50
Biphenyl	54		56		54-104	4		50
4-Chloroaniline	43		44		40-140	2		50
2-Nitroaniline	60		64		47-134	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1235654-2 WG1235654-3								
3-Nitroaniline	44		46		26-129	4		50
4-Nitroaniline	48		51		41-125	6		50
Dibenzofuran	48		49		40-140	2		50
2-Methylnaphthalene	52		53		40-140	2		50
1,2,4,5-Tetrachlorobenzene	54		56		40-117	4		50
Acetophenone	52		55		14-144	6		50
2,4,6-Trichlorophenol	65		67		30-130	3		50
p-Chloro-m-cresol	57		60		26-103	5		50
2-Chlorophenol	50		52		25-102	4		50
2,4-Dichlorophenol	56		60		30-130	7		50
2,4-Dimethylphenol	53		56		30-130	6		50
2-Nitrophenol	60		64		30-130	6		50
4-Nitrophenol	50		52		11-114	4		50
2,4-Dinitrophenol	64		66		4-130	3		50
4,6-Dinitro-o-cresol	69		76		10-130	10		50
Pentachlorophenol	51		54		17-109	6		50
Phenol	46		48		26-90	4		50
2-Methylphenol	51		54		30-130.	6		50
3-Methylphenol/4-Methylphenol	52		55		30-130	6		50
2,4,5-Trichlorophenol	60		63		30-130	5		50
Benzoic Acid	59		58		10-110	2		50
Benzyl Alcohol	51		53		40-140	4		50
Carbazole	54		56		54-128	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1235654-2 WG1235654-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		51		25-120
Phenol-d6	48		51		10-120
Nitrobenzene-d5	55		57		23-120
2-Fluorobiphenyl	52		55		30-120
2,4,6-Tribromophenol	58		61		10-136
4-Terphenyl-d14	57		60		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-01
Client ID: SB-1 (6')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 09:00
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-02
Client ID: SB-1 (8.5')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 08:50
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-03
Client ID: SB-2 (10')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 11:15
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-04
Client ID: SB-2 (11')
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 11:20
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-05
Client ID: SB-5 (4-8)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 09:30
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-06
Client ID: SB-5 (16-20)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 09:35
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01
Lab Number: L1918387
Report Date: 05/14/19

SAMPLE RESULTS

Lab ID: L1918387-07
Client ID: SB-6 (3-7)
Sample Location: 2 BAYVIEW AVENUE, OYSTER BAY, NY 11771
Sample Depth:
Matrix: Soil

Date Collected: 05/01/19 09:05
Date Received: 05/02/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	05/03/19 03:55	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: COMMANDER (OFF-SITE)

Project Number: 26183.01

Lab Number: L1918387

Report Date: 05/14/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1233133-1 QC Sample: L1918387-07 Client ID: SB-6 (3-7)						
Solids, Total	75.1	79.6	%	6		20

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918387-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-01B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-01C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-01D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-01E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-02B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-02C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-02D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-02E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-03B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-03C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-03D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-03E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-04B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-04C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-04D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-04E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-05B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-05C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918387-05D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-05E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-06A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1918387-06B	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-06C	Vial water preserved	A	NA		3.7	Y	Absent	03-MAY-19 04:09	NYTCL-8260HLW(14)
L1918387-06D	Vial unpreserved	A	NA		3.7	Y	Absent		TS(7)
L1918387-06E	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L1918387-07A	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TS(7)
L1918387-08A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-08B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-08C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-08D	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-08E	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-09A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-09B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-09C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-09D	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-09E	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-10A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-10B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-10C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-10D	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-10E	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-11A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-11B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-11C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-11D	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1918387-11E	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: COMMANDER (OFF-SITE)
Project Number: 26183.01

Lab Number: L1918387
Report Date: 05/14/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918387-12A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1918387-12B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918387
Project Number:	26183.01	**Report Date:**	05/14/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918387
Project Number:	26183.01	**Report Date:**	05/14/19

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

Terms

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	COMMANDER (OFF-SITE)	**Lab Number:**	L1918387
Project Number:	26183.01	**Report Date:**	05/14/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 5/2/19

ALPHA Job #: L1918387

Client Information

Client: VHB
Address: 100 Motor Parkway
Hauppauge, NY 11788
Phone: 631-787-3400
Fax:
Email: jstressler@vhb.com

Project Information

Project Name: Commander (Off-Site)
Project Location: 2 Bayview Avenue, Oyster Bay, NY 11771
Project #: 26183.01
(Use Project name as Project #) ☐
Project Manager: Stephen Kaplan
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☑ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

TCL VOCs | TCL SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total # Bottles
18357-01	SB-1 (6')	5/1/19	900	S	JS	X	X	1503SKD+ 1802	5
-02	SB-1 (8.5')		850		JS	X	X		
-03	SB-2 (10')		1115		JS	X	X		
-04	SB-2 (11')		1120		JS	X	X		
-05	SB-5 (4-8)		930		JS	X	X		
-06	~~SB-5 (6-8)~~ SB-5 (6-8)		935		JS	X	X	8172	
-07	~~SB-5~~ SB-6 (3-7)		905		JS		X		1
-08	GW-1		910	GW	JS	X	X	2 amber 2 vials/HCl	5
-09	GW-2		1130		JS	X	X		
-10	FB-5		950		JS	X	X		

Container Type: V | G
Preservative: 9/6 | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Marcella Fabiani	5/2/19 14:37	Bitans Chan ALPHA	5/2/19 14:37

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 5/2/19

ALPHA Job #: L1918387

Client Information

Client: VHB
Address: 100 Motor Parkway
Hauppauge NY 11788
Phone: 631-787-3400
Fax: —
Email: jstevens@vhb.com

Project Information

Project Name: Commander (Oct-Sept)
Project Location: 2 Bayview Avenue, Upper Brookville
Project #: 26183.01
(Use Project name as Project #): ☐
Project Manager: Stephen Kaplan
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL VOCs | TCL SVOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	Sample Specific Comments	Total Bottles
18387-11	FB-2	5/1/19	1110	DI	JS	X	X	2 amber, 3 HCl VOC	5
-12	TB-2	5/1/19	1200	DI	JS	X	X	2 vials	2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	G
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Michelle Tabori	5/2/19 1937	Brian S Chen AAL	5/2/19 1937

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Attachment D
Soil Boring Logs

vhb	**Boring Log**	**Project No.**: 26183.01			**Page:** 1	
	Drill Rig: 7730DT Geoprobe Direct Push		**Date Drilled:** 5/1/2019		**Logged By:** JS	
	Boring Diameter: 2"		**Boring Number:** SB-1			

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	65	0.0	0-2	GW	Dark brown fine-to-medium grained sand with some gravel, dry.
		0.0	2-8	SM	Dark brown fine-to-medium grained sand with trace silt and gravel, dry.
X	70				
		0.0	8-9	SP	Dark grey fine-to-coarse grained sand with gravel, saturated.
X		0.8	9-10	PT	Peat.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from six ft bgs (Sample ID: SB-1 [6]) and 8.5 ft bgs (Sample ID: SB-1 [8.5]).

Groundwater observed in boring ~8.0 ft bgs.

Temp Well installed to ~10 ft bgs; GW sample collected (Sample ID: GW-1).

Boring Location:
Within 10-feet to the north of the property boundary.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

vhb	**Boring Log**	**Project No.**: 26183.01			**Page:** 2	
	Drill Rig: 7730DT Geoprobe Direct Push		**Date Drilled:** 5/1/2019		**Logged By:** JS	
	Boring Diameter: 2"		**Boring Number:** SB-2			

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	70	0.0	0-2	GW	Dark brown fine-to-medium grained sand with some gravel, dry.
			3-4	OL	Crushed shells with trace fines, dry.
	75		5-7	GW	Dark brown fine grained sand with shells and cobbles, dry.
	95	21.0	8-10	GW	Brown fine grained sand with shells and cobbles, dry.
				PT	Brown silty sand with shells, dry.
X	85	16.0	10-12	GM	Dark grey/black silty sand with coarse gravl, saturated.
			12-13	PT	Peat.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 10 ft bgs (Sample ID: SB-2 [10]) and 11 ft bgs (Sample ID: SB-2 [11]).

Groundwater observed in boring ~10.5 ft bgs.

Temp Well installed to ~10 ft bgs; GW sample collected (Sample ID: GW-2).

Boring Location:
Within 10-feet to the north of the property boundary.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

vhb	**Boring Log**	**Project No.**: 26183.01			**Page:** 3	
	Drill Rig: 7730DT Geoprobe Direct Push		**Date Drilled:** 4/30/2019		**Logged By:** JS	
	Boring Diameter: 2"		**Boring Number:** SB-3			

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	80	0.0	0-3	GW	Dark brown fine-to-medium grained sand with some gravel and cobbles, dry.
X		0.0	3-5	SM	Dark brown clay.
X	85	0.0	5-8	SP	Dark grey fine-to-coarse grained sand with gravel, saturated.
		0.0	8-10	PT	Peat.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from five ft bgs (Sample ID: SB-3 [5]) and seven ft bgs (Sample ID: SB-3 [7]).

Groundwater observed in boring ~5.5 ft bgs.

Temp Well installed to ~10 ft bgs; GW sample collected (Sample ID: GW-3).

Boring Location:
Within 10-feet to the north of the property boundary.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

	Boring Log	Project No.: 26183.01		Page: 4
	Drill Rig: 7730DT Geoprobe Direct Push		Date Drilled: 4/30/2019	Logged By: JS
	Boring Diameter: 2"		Boring Number: SB-4	

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	70	0.0	0-2	GW	Fine to course sand with gravel, pebbels, shells and silt, dry.
X		0.0	2-5	SC	Gray clay, dry.
X		0.0	5-6	GM	Black fine sand with course gravel and cobbles, saturated.
	75	0.0	6-10	PT	Peat.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 3-4 ft bgs (Sample ID: SB-4 [3-4]) and 5-6 ft bgs (Sample ID: SB-4 [5-6]).

Groundwater observed in boring ~5.0 ft bgs.

Temp Well installed to ~10 ft bgs; GW sample collected (Sample ID: GW-4).

Boring Location:
Within 10-feet to the north of the property boundary.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

	Boring Log	Project No.: 26183.01		Page: 5
	Drill Rig: 7730DT Geoprobe Direct Push		Date Drilled: 5/1/2019	Logged By: JS
	Boring Diameter: 2"		Boring Number: SB-5	

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	60	0.0	0-3	SP	Brown fine to medium grained sand with gravel to pulverized rock, dry.
X	80	0.0	3-8	SC	Dark gray clay, dry.
		0.0	8-10	PT	Black Peat.
		0.1	10-13	SM	Fine-to-medium grained sand, saturated.
		0.1	13-14	SW	Olive fine to coarse grained sand with gravel, wet.
		0.1	14-15		Dark brown organic clay with gravel, trace fines, and a slight organic odor, wet.
X		0.1	15-18	GW	Dark gray coarse sand with gravel, cobbles, trace silt, and slight organic odor, wet.
		0.1	18-20		Brown fine to coarse grained sand with gravel and trace silt, wet.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 4-8 ft bgs (Sample ID: SB-5 [4-8]) and 16-20 ft bgs (Sample ID: SB-5 [16-20]).

Groundwater observed in boring ~11.0 ft bgs.

Temp Well installed to ~20 ft bgs; GW sample collected (Sample ID: GW-5).

Boring Location:
Approximately 40-feet north of SB-1.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

	Boring Log	**Project No.**: 26183.01			**Page:** 6	
	Drill Rig: 7730DT Geoprobe Direct Push		**Date Drilled:** 4/30/2019		**Logged By:** JS	
	Boring Diameter: 2"		**Boring Number:** SB-6			

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	70	0.0	0-2	GM	Dark brown fine to coarse sand with gravel and cobbles, dry.
			2-3	SP	Dark brown fine to medium grained sand with shells and demo debris, dry.
X			3-7	SP	Dark gray fine to medium grained sand with gravel, cobbles and silts, saturated.
			7-10	PT	Peat.
	80		10-11	SC	Dark gray clay, wet.
			11-15	SM	Dark gray sandy loam with gravel and cobbles, wet.
			15-17	SP	Fine to meedium grained sand with fine to coarse gravel, wet.
X			17-20	SP	Tan fine to coarse sand with gravel, wet.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 3-7 ft bgs (Sample ID: SB-6 [3-7]) and 16-20 ft bgs (Sample ID: SB-6 [16-20]).

Groundwater observed in boring ~10.0 ft bgs.

Temp Well installed to ~20 ft bgs; GW sample collected (Sample ID: GW-6).

Boring Location:
Approximately 40-feet north of SB-2.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

	Boring Log	Project No.: 26183.01		Page: 7
	Drill Rig: 7730DT Geoprobe Direct Push		Date Drilled: 4/30/2019	Logged By: JS
	Boring Diameter: 2"		Boring Number: SB-7	

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	70	0.0	0	sp	Dark brown fine to coarse sand with gravel, dry.
X			3-6	SP	Gray clay with trace sand and cobbles, dry.
	90		6-7	SW	Fine dark gray sand with gravel, dry.
			7-10	PT	Peat.
			10-13	SW	Dark gray sand, wet.
			13-14	SW	Dark brown sand with gravel, wet.
			14-16	SP	Dark gray fine to coarse sand with gravel, wet.
X			16-20	SP	Tan fine to coarse sand with gravel and cobbles, wet.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 3-7 ft bgs (Sample ID: SB-7 [3-7]) and 16-20 ft bgs (Sample ID: SB-7 [16-20]).

Groundwater observed in boring ~7.0 ft bgs.

Temp Well installed to ~20 ft bgs; GW sample collected (Sample ID: GW-7).

Boring Location:
Approximately 40-feet north of SB-3.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

	Boring Log	Project No.: 26183.01		Page: 8
	Drill Rig: 7730DT Geoprobe Direct Push		Date Drilled: 4/30/2019	Logged By: JS
	Boring Diameter: 2"		Boring Number: SB-8	

Sample	% Recovery	PID Reading (ppm)	Depth (Feet)	USCS Soil Type	Lithology/Description
	70	0.0	0-3	SW	Dark brown/black fine to medium sand with silt and gravel, dry.
			3-4	SP	Coarse brown sand with gravel, dry.
			4-5	SC	Dark gray clay
X	90		5-7	SP	Dark brown to gray fine sand with gravel and cobbles, saturated.
			7-11	PT	Peat with organic material.
	95		11-15	SP	Dark gray fine to coarse sand with gravel and cobbles, wet.
			15-17	SP	Dark brown coarse sand with gravel, wet.
X			17-20	SP	Tan fine to coarse sand with gravel and cobbles, wet.

Completion Notes:

BGS - Below Ground Surface

USCS - Unified Soil Classification System

Collected soil samples from 3-7 ft bgs (Sample ID: SB-8 [3-7]) and 16-20 ft bgs (Sample ID: SB-8 [16-20]).

Groundwater observed in boring ~6.0 ft bgs.

Temp Well installed to ~20 ft bgs; GW sample collected (Sample ID: GW-8).

Boring Location:
Approximately 40-feet north of SB-4.

100 Motor Parkway, Suite 350, Hauppauge, New York, 11788
Tel: 631 - 787 - 3400 Fax: 631 - 813 - 2545

Attachment E
Site Photographs

Photograph No. 1: Representative photograph of soil boring SB-5/GW-5 (facing northwest .

Photograph No. 2: Photograph of the location of soil boring SB-2 (facing south).

Photograph No. 3: Photograph of the location of soil boring SB-1 located within 10-feet to the north of the property boundary.

Photograph No. 4: Representative photograph of soil borings SB-4 and SB-8 (facing south-southeast).

Photograph No. 5: Photograph of the soil recovery from SB-5.

Photograph No. 6: Representative photograph of the on-site peat layer.

Attachment F
Preparer Information

Stephen Kaplan, PG

Principal | Project Director

Education

BA, Economics, State University of New York at Geneseo, 1992

Registrations/Certifications

Asbestos Inspector (Asbestos Inspection), 2001

OSHA 10-Hour Construction Safety and Health Certificate, 2012

OSHA 40-Hour Hazwoper Certificate (40 hour), 2004

Professional Geologist NY, 2017

Stephen is Director of Oil & Hazardous Materials and manages Phase I and Phase II Environmental Site Assessments, and remediation projects. He consults with private clients, lending institutions, legal counsel, and municipalities. As necessary he coordinates approvals, permitting, and remediation efforts with regulatory agencies. Stephen has performed Phase I/II investigations for communications facilities; residential, commercial, and industrial properties; and healthcare facilities.

24 years of professional experience

Huntington Towne House Site Redevelopment, Huntington Station, NY
Stephen conducted a Phase I and II ESA, inclusive of asbestos and lead surveys of multiple contiguous properties. Investigation activities determined the existence of one previously unidentified out-of-service UST in addition to three in-service USTs. Remediation budget estimates prepared prior to site acquisition by contract vendee.

South Nassau Communities Hospital, Long Beach Medical Center, Long Beach, NY
Steve managed the Phase I and Phase II Environmental Site Assessments, which focused on key environmental issues that impact the value of the parcel and any associated redevelopment costs. Issues such as asbestos, lead paint, hazardous materials management and subsurface contamination by oil were all addressed. Steve attended regular meetings with SNCH and the team to discuss VHB's findings and to consult on local regulatory procedures.

Tritec Downtown Redevelopment Project, Patchogue, NY
Stephen's investigation of multiple properties in this downtown area included soil and groundwater sampling associated with storage tanks, and heavy metals from former chromium plating facility. Stephen prepared a NYSDEC-approved Remediation Work Plan to successfully remove two undocumented gasoline USTs and petroleum-impacted soils, and install groundwater monitoring wells. Subsequent periodic sampling of monitoring wells indicated the remediation efforts were successful, and NYSDEC-spill closure status was granted. (2006 – 2015)

Due Diligence including Phase I and Phase II Investigations, Champlain, NY
Stephen provided Phase I and pre-purchase due diligence services as part of the purchase of six properties. Following the Phase I investigations, Stephen provided Phase II investigation services on two of the properties. Phase II services included groundwater and soil sampling as well as coordination with regulatory agencies. (2011 – 2012)

Verizon Wireless Phase I & Phase II Environmental Site Assessments, New York
Stephen has performed and overseen over 1,000 Phase I and/or Phase II ESAs in the five boroughs and in various locations in New York for Verizon Wireless' service expansion. The Phase I ESAs include review of site information, health department and NYSDEC documentation, and visual inspections. He supports Phase II ESAs by preparing scopes of work and budgets, associated site-specific health and safety plans

(HASPs), conducting soil and groundwater investigations. If soil or groundwater impacts are identified by these Phase II ESAs, Stephen also prepares soil and groundwater management plans (S/GWMPs) with associated budget estimates, oversees the implementation of these S/GWMPs and prepares summary closeout reports. (2000 – Present)

Long Island MacArthur Airport On-Call Environmental Services, Ronkonkoma, NY

Stephen was the Project Manager for a three-year on-call agreement with the Town of Islip providing environmental consulting services. Monthly groundwater sampling was conducted at various locations of the airport property in accordance with the Town of Islip's NYSDEC SPDES compliance. Other consulting services included Phase II investigations, permitting, underground storage tank investigations, wetlands investigations, and remediation. To accomplish the goals of each task order, Stephen responded quickly to requests and worked closely with the Town of Islip, Suffolk County, and the NYSDEC.

Smithtown Concrete Site Study and Remediation, Smithtown, NY

Stephen managed the assessment and remediation for the residential redevelopment of a 23-acre former concrete manufacturing site with municipal and private landfill. Based on the Phase I Environmental Site Assessment performed by VHB, VHB found contaminated soil related to a 10,000-gallon fuel oil tank, historic buried debris, and methane. Stephen is overseeing the UST removal plan, Health and Safety Plan, geophysical survey, groundwater, soil, soil vapor (including landfill gas survey) and air sampling. He and his team are coordinating with New York State Department of Environmental Conservation and Suffolk County Department of Health Services. (2013 – 2015)

Costco Expansion Project, Phase II ESA, Staten Island, NY

Stephen prepared a Phase II Environmental Site Assessment Work Plan and Health and Safety Plan (HASP) for submittal to the NYCDEP in conjunction with CEQR documentation. NYCDEP required the investigation due to environmental concerns related to an adjacent former gasoline station prior to receiving approval for a building addition project. The NYCDEP approved VHB's Work Plan and Construction Health and Safety Plan (CHASP) prior to the conduct of field investigation activities.

Lowe's Home Improvement Center, Bay Shore, NY

Stephen was the Project Manager for the comprehensive Phase I and II ESAs with asbestos and lead-based paint surveys of five structures for this retail redevelopment project. He coordinated with the County DOH, New York State Department of Labor, USEPA and various environmental remediation subcontractors to remediate the existing structures/infrastructure prior to construction. Phase II activities included assessment/remediation of over 250 stormwater drywells and six on-site sanitary systems, asbestos management, aboveground and underground fuel oil storage tank removals, and impacted soil disposal. Additional site remediation activities involved appropriate decommissioning of an ethylene glycol cooling plant, and consolidation of all hazardous and regulated non-hazardous materials from the structures for off-site disposal. (2001 – 2005)

Joe Stressler

Project Scientist

Education

BS, Environmental Science, State University of New York at Oneonta, 2012

MALS, Environmental Management, Stony Brook University, May 2018

Certifications

Asbestos Inspector Refresher Training 2018

Asbestos Inspector Initial Training 2017

8-Hour HAZWOPER Supervisor Refresher 2018

8-Hour HAZWOPER Supervisor 2016

8-Hour HAZWOPER Refresher 2015

40-Hour HAZWOPER Certification 2013

10-Hour OSHA Construction Certification 2013

Joe Stressler is a Project Scientist in VHB's Environmental Group. He conducts Phase I and Phase II Environmental Site Assessments. In addition, Joe performs various environmental services including groundwater and soil sampling and analysis.

6 years of professional experience

Project Oversight and Community Air Monitoring

Mr. Stressler has performed oversight for multiple projects in the Metropolitan area, including Brownfields, E-Designations, and smaller scale remedial projects. In addition, Mr. Stressler has experience in writing and conducting Community Air Monitoring Programs (CAMP) in accordance with appropriate regulatory agencies. Joe has utilized various equipment including a MiniRAE-3000, personal DataRam™ pDR-1000AN monitor and other variations of similar equipment. In addition, Joe has worked on several projects in which received a NYC Green Property Certification based upon their completion of the Voluntary Cleanup Program (VCP).

Verizon Wireless Phase I & Phase II Environmental Site Assessments, Various, NY

Joe prepared Phase I and/or Phase II Environmental Site Assessments throughout Long Island and the five boroughs of New York City for Verizon Wireless service expansion. He also supported Phase II ESAs by performing soil sampling, groundwater investigations/monitoring, overseeing geographical surveys and soil vapor monitoring as well as providing remedial investigation support.

Project Hydrogeologist, Hampton Bays, NY

Joe prepared technical reports including work plans, environmental site assessments, remedial action plans, closure reports and underground storage closure reports. He was responsible for designing and implementing investigation and remediation activities including excavations for soil and groundwater treatment. Joe also prepared proposals and managed personnel and website maintenance. This work was completed prior to joining VHB.

Field Hydrogeologist, Hampton Bays, NY

Joe prepared Phase I and Phase II reporting for soil, groundwater and soil vapor sample collecting, oversaw UST removals, monitored well installations and construction projects and was responsible for coordinating the proper equipment and personnel to complete each project. Joe gained extensive knowledge and experience with Brownfield Cleanup Programs, RCRA Closures, E-Designations, NYCOER, NYCDEP, NYSDEC as well as state and county regulations. He also conducted subsurface investigations using auger and direct push drilling technologies, geologic logging, well construction and soil groundwater sampling and assisted in preparation of Site Investigation Work Plans and Reports, Remedial Action Plans, Closure Reports, Tank Closure Reports and Quarterly Monitoring Reports. This work was completed prior to joining VHB.