SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT

301-309 PENINSULA BLVD
HEMPSTEAD, NASSAU COUNTY, NEW YORK

Prepared for:

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August 2021

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1.0 INTRODUCTION

1.1 PURPOSE

Brydges Environment, Engineering, Energy (BE3) performed a subsurface environmental site assessment (ESA) at 301-309 Peninsula Blvd, Hempstead, New York (see **Figure 1**). A three-story, vacant commercial building occupies the entirety of the property. This assessment included an investigation in the front and rear outside areas of the property adjacent to the building followed by a subsurface investigation in the building after it was made safe for entry (refer to **Figure 2**). The purpose of the assessment was to obtain additional information and data for assessing potential environmental impacts at the property and to determine if the property was eligible for the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP).

1.2 BACKGROUND

1.2.1 General Site Setting

The subject property is a 0.39-acre commercial rectangular-shaped parcel located in an urban setting on the southern side of Peninsula Boulevard. The vacant former commercial building is located in a string of adjacent buildings and occupies the entirety of the subject parcel (refer to **Figure 1).**

1.2.2 Physical Setting

Local area topography is generally level. Surface relief in the immediate vicinity of the subject property is relatively uniform, with overall gentle downward slopes to the southwest, towards Hempstead Lake.
The USGS Topographic map providing coverage for the subject property indicates an approximate on-site surface elevation of 50 feet above mean sea level.

1.2.3 Historical Use

The earliest reasonably ascertainable historical records document that the property was in use for commercial purposes as early as 1909 and that the property was in use as a laundry from as early as 1925 until at least 1970. On-site dry-cleaning operations were noted on a building plan from 1962 and an attached garage (located on the southwestern adjoining property) was in use for automotive repair activities as early as 1950. The property has reportedly been vacant for over a decade. A 2,000-gallon fuel-oil underground storage tank (UST) was reportedly removed from the property in 1996.

1.2.4 Contaminants of Concern

The history and use of the subject property suggest three potential contaminants of concern as follows:

- Gasoline, fuel oil and other petroleum-related compounds associated with the UST and vehicle repair.
- Solvents associated with dry-cleaning
- Metals and semi-volatile organic compounds associated with fill materials

1.3 SCOPE

The scope involved initially completing soil borings immediately adjacent to the building and collection of soil and groundwater samples for laboratory analysis. A follow-up assessment was completed inside the building after it was made safe for entry. This assessment included the collection of both soil and groundwater samples.to assess potential environmental impacts caused by the previous use of the property and or adjacent property.

2.0 FIELD INVESTIGATIONS

The subsurface assessment field work was completed on two separate dates. The initial field work was completed on a single day on June 19, 2020. During this field event, subsurface assessment activities were restricted to the perimeter outside of the property structure because entry was unsafe. After the structure was made safe and based on the findings of the first assessment, a second subsurface assessment was completed inside the structure on June 30, 2021. A photolog of field operations is included as **Appendix 1,** and a summary of the field investigation methodology and findings is presented in Sections 2.1 through 2.3.

2.1 SOIL SAMPLING

First Subsurface Assessment – June 19, 2020 – Outside Perimeter of Structure

A total of five (5) Geoprobe® soil borings designated BH-1 through BH-5 were advanced at specific locations on the north (front) and south (rear) sides of the building (refer to attached **Figure 2**). Soil borings were field located to assess the subsurface specific to previous property use and based on access. Borings were not completed inside the building because the building condition did not allow safe entry or work.

The Geoprobe field work was performed by BE3 and Aquifer Drilling & Testing, Inc. (Geoprobe operator). Borings were advanced to a depth of 20 feet below ground surface (bgs). The borings were completed using a fully equipped track mounted Geoprobe® unit which employs direct push technology. Continuous soil sampling was performed using Macro Core soil samplers measuring 5-feet in length resulting in distinct sample cores (i.e., 0-5', 5-10', 10-15' and 15-20'). Each of the samplers was fitted with a new acetate liner prior to use.

Soil from each soil core was visually described and field screening of soil for volatile organic compound (VOC) concentrations was completed using a PID - MiniRae with a 10.2 eV Lamp). Elevated PID readings were observed in borehole BH-4. A total of ten (10) subsurface soil samples were collected as follows:

- BH-1 at 0.5-4 feet bgs and 18-19 feet bgs. Total depth of boring was 20 feet bgs;
- BH-2 at 0.5-3 feet bgs and 18-20 feet bgs. Total depth of boring was 20 feet bgs;
- BH-3 at 0.5-2 feet bgs and 18-19 feet bgs. Total depth of boring was 20 feet bgs;
- BH-4 at 0.5-2 feet bgs and 18-20 feet bgs. Total depth of boring was 20 feet bgs; and
- BH-5 at 0-3 feet bgs and 17-19 feet bgs. Total depth of boring was 20 feet bgs;

Soil samples were collected from boreholes at two depths in each borehole; one near the surface to assess near-surface soils and one at depth to assess impacts at the water/soil interface to assess potential impacts that have migrated. The soil samples were submitted to

Paradigm a NYSDEC approved laboratory for analysis (refer to Section 2.3).

Second Subsurface Assessment – June 30, 2021 – Inside Structure

A total of five (5) hand auger/Geoprobe® soil borings designated SB-1 through SB-5 were advanced at specific locations within the building (refer to attached **Figure 2**). Soil borings were field located to assess the subsurface specific to previous property use and based on access.

The Geoprobe field work was performed by BE3 and Aquifer Drilling & Testing, Inc. (Geoprobe operator) during a one-day period on June 30, 2020. Borings were advanced to various depths based on accessibility. The two borings (SB-1 and SB-2) completed in the front/northern end of the building were completed to five (5) feet and ten (10) feet bgs respectively using a hand auger. The ceiling height prohibited the use of the geoprobe in this area. The remaining three borings (SB-3 through SB-5 were completed to 20-25 feet bgs using a fully equipped track mounted Geoprobe® unit which employs direct push technology. Continuous soil sampling was performed using Macro Core soil samplers measuring 5-feet in length resulting in distinct sample cores (i.e., 0-5', 5-10', 10-15', 15-20'and 20-25'). Each of the samplers was fitted with a new acetate liner prior to use.

Soil from each soil core was visually described and field screening of soil for volatile organic compound (VOC) concentrations was completed using a PID - MiniRae with a 10.2 eV Lamp). Elevated PID readings were observed in borehole SB-4 and SB-5. A total of five (5) subsurface soil samples were collected as follows:

- SB-1 at 0-2 feet bgs. Total depth of boring was 5 feet bgs;
- SB-2 at 0-2 feet bgs. Total depth of boring was 10 feet bgs;
- SB-3 at 0-2 feet bgs. Total depth of boring was 30 feet bgs;
- SB-4 at 0-2 feet bgs. Total depth of boring was 10 feet bgs; and
- BB-5 at 0-3 feet bgs. Total depth of boring was 30 feet bgs;

Note, SB-3 and SB-5 were sampled to 25 feet and then advanced further to ensure allowance for installation of the temporary monitoring well. Soil samples were collected near the surface to assess near-surface soils. Oily material was found in Boring SB-4 at 5-10 feet bgs. It is possible that this boring found an undocumented tank inside the building. A sample of the oil was collected. The soil samples and the oil sample were submitted to ALS laboratory a NYSDEC approved laboratory for analysis (refer to Section 2.3).

Stratification of material in the borings and observations were noted on boring logs (refer to **Appendix A**). Photographs of field activities are contained in **Appendix B**. Prior to conducting the subsurface investigation, all utilities were located, and areas identified. All sampling tools were cleaned with Alconox, double rinsed with tap water and rinsed with distilled water between sample collection points. All soil borings were backfilled and sealed with native soil and an asphalt patch when appropriate.

2.2 Soil Screening

Field screening consisted of using a PID to screen for total volatile organic compounds and by visual and olfactory observations. Soil cores from boreholes were transported to a staging area adjacent to each borehole. The acetate liners were cut, and the length of the core was examined visually and with the PID. Odors, PID results, if any and observations were noted on

the boring logs. Most of the boreholes had no odors or PID readings above background. Only BH-4, and SB-4 had elevated PID concentration of 2-5 ppm at 18-20 feet bgs and 4-5 ppm at 1-5 feet bgs. Black staining and petroleum-like odor was observed at both locations and depths.

2.3 Groundwater Assessment

A total of four (4) temporary groundwater monitoring micro-wells were installed in four of the borings advanced using Geoprobe direct push technology. Monitoring wells MW-1 and MW-2 were installed in borings BH-3 on the north side of the property and BH-4 (where the elevated PID measurements and odors were observed) on the south side respectively. SBMW-3 and SBMW-5 were installed in borings SB-3 in the middle of the building adjacent to the basement and in SB-5 in the southwest side of the building.

Each well consisted of a 1-inch diameter, schedule 40 PVC casing equipped with a 10-foot, 100-slot screen and a solid PVC riser pipe extending to the surface. Screens were positioned in the water bearing zone to the bottom of the boring to ensure assessment potential for contaminates. One groundwater sample was collected from each well and analyzed for volatile organic compounds including solvents and petroleum. Groundwater samples were collected using sample tubing and a valve.

3.0 RESULTS

3.1 Subsurface Conditions

The borings indicate that subsurface conditions generally consisted of minimal fill material near the surface under asphalt/building floor with red-brown coarse sand and gravel to about 18 feet below bgs. Light brown-tan less coarse sand was observed at between 18-20-feet bgs and this interval was also moist-wet indicating a water bearing zone. Boreholes were completed at 20-25 feet bgs at this groundwater interface – refer to boring logs in **Appendix 3**. .

3.2 Analytical Results

Near surface soil samples were collected in each of the ten boreholes within the top 0.5-4 feet bgs and analyzed for NYSDEC Part 375 metal and semi-volatile compounds.

Metals

Metal compounds were observed in all soil samples mostly below NYSDEC Soil Cleanup Objectives (SCOs). Lead was elevated in BH-2 and BH-4 above unrestricted use SCOs at 84.70 and 173 ppm respectively. Zinc was elevated above unrestricted SCOs at 173 ppm and arsenic was elevated above restricted residential use SCOs at 90.20 ppm in BH-5. Chromium was found in SB-3 above residential SCOs at 98.6 ppm. Cadmium (5.68 ppm), copper (4,580), Manganese (979 ppm) and mercury (0.830 ppm) were above restricted residential SCOs and zinc was above residential SCOs in Borehole SB-5.

Semi-Volatile Organic Compounds (SVOCs)

Of the ten (10) near-surface soil samples only SB-5 had SVOCs, mostly PAH compounds, above NYSDEC SCOs. The PAH Benzo(a)anthracene (1.2 ppm), Benzo(a)pyrene (1.4 ppm), Benzo(b)fluoranthene (1.7 ppm), and Indeno(1,2,3-cd)pyrene (1.0 ppm) were all above

restricted residential SCOs. The PAHs Chrysene (1.2 ppm) was above residential SCOs. Refer to **Table 1** for the specific results in comparison to the SCOs.

PAHs are a group of chemicals that are formed during incomplete burning of wood, coal, gas, garbage, or other organic substances and are widely distributed in the environment and particularly in older urban environments where coal, gas, and petroleum were burned for heat and other energy uses. PAH compounds are common constituents of fill material found in urban environments, and are typically associated with both fill material, coal tar and asphalt-based materials or ash. These are frequently also found in railroad fill base material.

Subsurface soil samples were collected at the groundwater interface in five (5) boreholes (BH-1, BH-2, BH-3, BH-4, and BH-5) between 17-20 feet bgs and analyzed for volatile organic compounds. Volatile organic compounds were not detected in any of the soil samples collected at those depths. Samples were not collected at those depths in the SB borings.

Subsurface oily-substance sample – An oily substance was found in Borehole SB-4 from 5-10 feet bgs. A sample of this material was collected and analyzed for VOCs, PCBs, and Diesel Range Organics. Xylene was detected in this sample above restricted Residential SCOs at 159 ppm. The VOC compounds ethylbenzene and toluene were detected in this sample above unrestricted SCOs at 27 ppm and 31 ppm respectively.

This sample was also analyzed for Diesel Range Organics (DRO) and fuel related analysis. DRO compounds were detected in the sample at 280,000 ppm and n-Dodecane was detected at 203,000 ppm.

A summary of the soil samples analytical results is contained in **Table 1.** The complete set of analytical data for this subsurface assessment is provided in **Appendix 2**.

Groundwater Samples

Four groundwater samples were collected; one each from MW-1 (BH-3), MW-2 (BH-4), SBMW-3 (SB-4) and SBMW-5 (SB-5). The samples were analyzed for NYSDEC Part 375 volatile organic compounds. No volatile organic compounds were detected in the sample from MW-1 or SBMW-3. The following compounds were detected in MW-2 above the NYSDEC TOGS guidance:

- 1,2,4-Trimethlbenzene - 270 ug/l
- 1,3,5-Trimethylbenzene - 82.8
- n-Butylbenzene – 117
- Naphthalene – 399
- Methylene – 159
- sec-Butylbenzene - 49.1

Trichloroethene (TCE) was detected in SBMW-5 at 20 ug/l which exceeds the NYSDEC TOGs guidance value of 5 ug/l).

A summary of the groundwater samples analytical results are contained in **Table 2.** The complete set of analytical data for this subsurface assessment is provided in **Appendix 2**.

4.0 CONCLUSIONS

The purpose of this assessment was to identify potential environmental impacts at 301-309 Peninsula Blvd, Hempstead, New York. (see attached figures). The property was in use for commercial purposes as early as 1909 and was in use as a laundry from as early as 1925 until at least 1970. On-site dry-cleaning operations were noted on a building plan from 1962 and an attached garage (located on the southwestern adjoining property) was in use for automotive repair activities as early as 1950. The property has reportedly been vacant for over a decade. A 2,000-gallon fuel-oil underground storage tank (UST) was removed from the property in 1996. The history and use of the subject property suggests three potential contaminants of concern based on historical use as follows:

- Gasoline, fuel oil and other petroleum-related compounds associated with the UST and vehicle repair.
- Solvents associated with dry-cleaning.
- Metals and SVOCs associated with fill material.

The results indicated a number of environmental issues associated with the property, and laboratory results indicate soil and groundwater impacts above NYSDEC unrestricted and restricted residential guidelines for soil cleanup and TOG guidelines for groundwater. The soil sample results suggest impacts above NYSDEC SCOs for metals and PAHs. The groundwater sample results suggest impacts above TOGs for petroleum products either from gasoline or fuel oil and dry-cleaning solvents.

One boring in the southeast corner of the facility encountered oily fluid and the boring was terminated. It is possible that this boring found an undocumented tank. The sample of the oily fluid indicated dodecane. Dodecane is a component of gasoline and is used as solvent, in organic synthesis, in jet fuel research, as a distillation chaser, and in the rubber and paper processing industries. It is possible that this is from fuel oil or possibly a dry-cleaning solvent. Stoddard solvent was a widely used, man-made organic solvent. It is a petroleum mixture made from distilled alkanes, cycloalkanes (naphthene), and aromatic compounds. Stoddard solvent is commonly referred to as dry cleaning safety solvent and from the late 1920's until the late 1950's it was the predominant dry-cleaning solvent in the United States. Stoddard solvent is still used by a few dry cleaners today.

5.0 WARRANTS AND LIMITATIONS

This report is based on information from limited soil and groundwater sampling and visual observations of the soils as well as a review of previous Phase I ESA at the property. This report is intended exclusively for the purpose outlined herein at the site location and project indicated.

This report is intended for the sole use of STEL. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other users and any use or reuse of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon, and limited by, the analytical data and other information available. It should be noted that all surface and subsurface environmental assessments are inherently limited in the sense that conclusions are drawn, and

recommendations developed from information obtained from limited data and site evaluation at a specific time. The passage of time may result in a change in environmental circumstances at this site and surrounding properties, or petroleum/hazardous materials beneath the surface may be present but undetectable during this limited subsurface assessment.

Opinions and recommendations presented herein apply to the site conditions existing at the time of the subsurface assessment and those reasonably foreseeable. They cannot necessarily apply to site changes, which are not made aware and therefore not been evaluated.

6.0 PROFESSIONAL STATEMENT/SIGNATURE

This subsurface assessment at 4185 Seneca Street, West Seneca, New York was performed in conformance with the scope and limitations of ASTM Practice E 1903-11 for the specific objectives specified in the report and was completed based on the scope of work provided by the banks' consultant. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40CFR312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

Peter J Gorton

August 3, 2021

Peter J Gorton, MPH; CHCM — Date

FIGURES & TABLES

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Source: USGS Topographic Map of the Lynbrook, New York Quadrangle, dated 1994, digital image provided by MyTopo.com

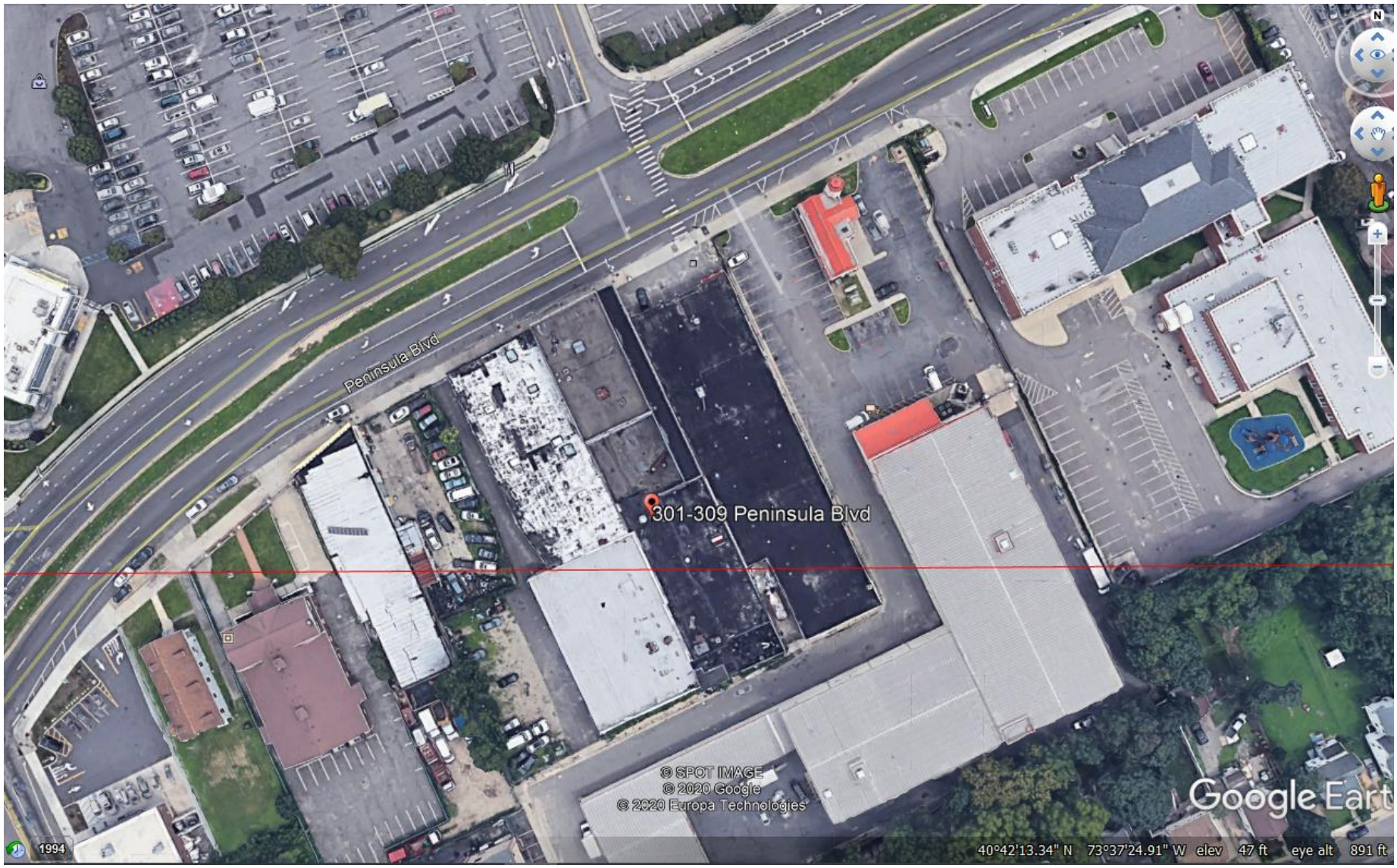
U.S.G.S. Topographic Map
301-309 Peninsula Boulevard
Village of Hempstead
Nassau County, New York

N

File No: SH19052.10

December 2019

Scale: 1:24000


Peninsula Blvd
301-309 Peninsula Blvd
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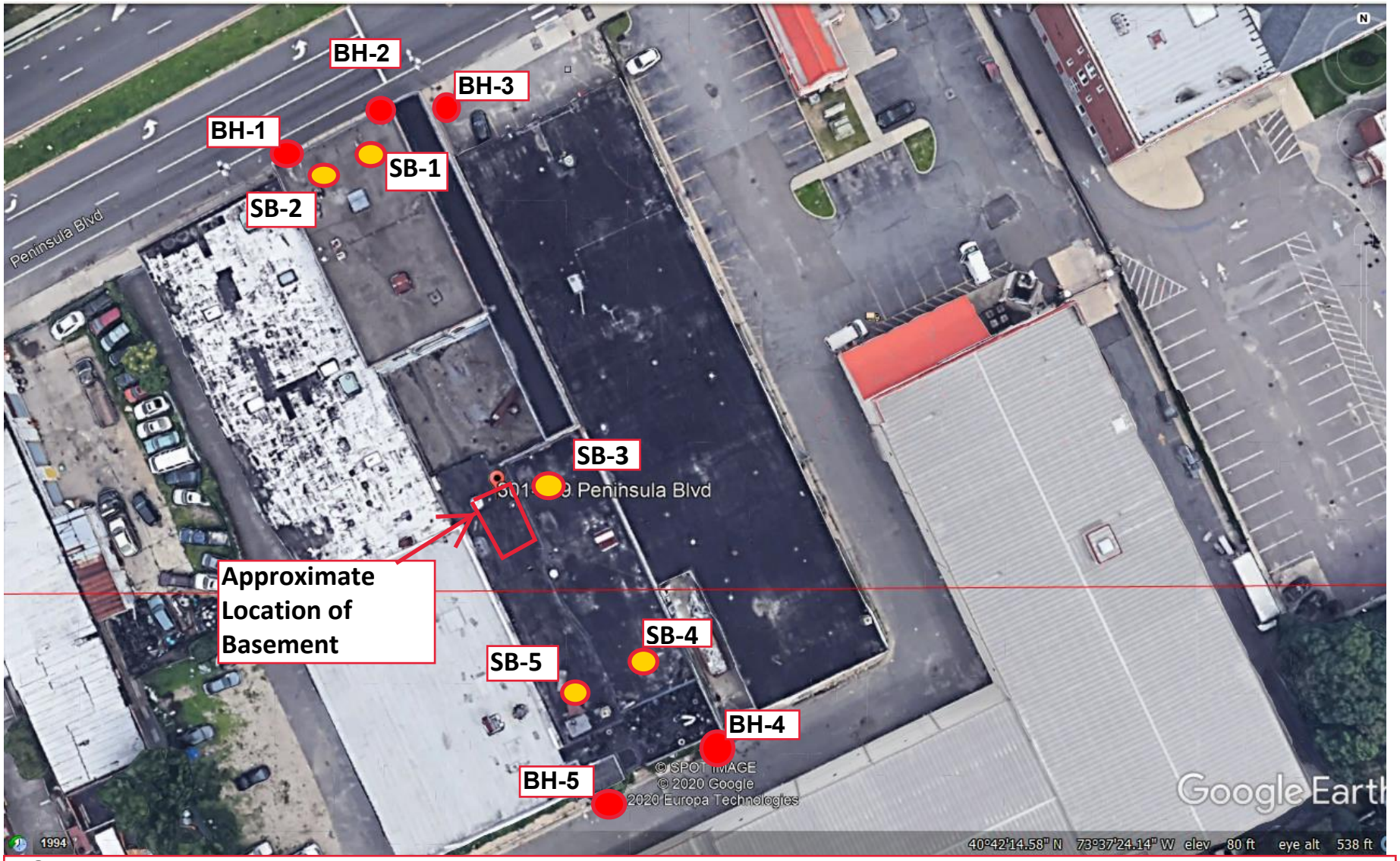


FIGURE: Boring Locations

GW collected at BH-3, BH-4, SB-3, and SB-5

SB - Borings inside building - Second sampling event

BH - Borings outside building - First sampling event

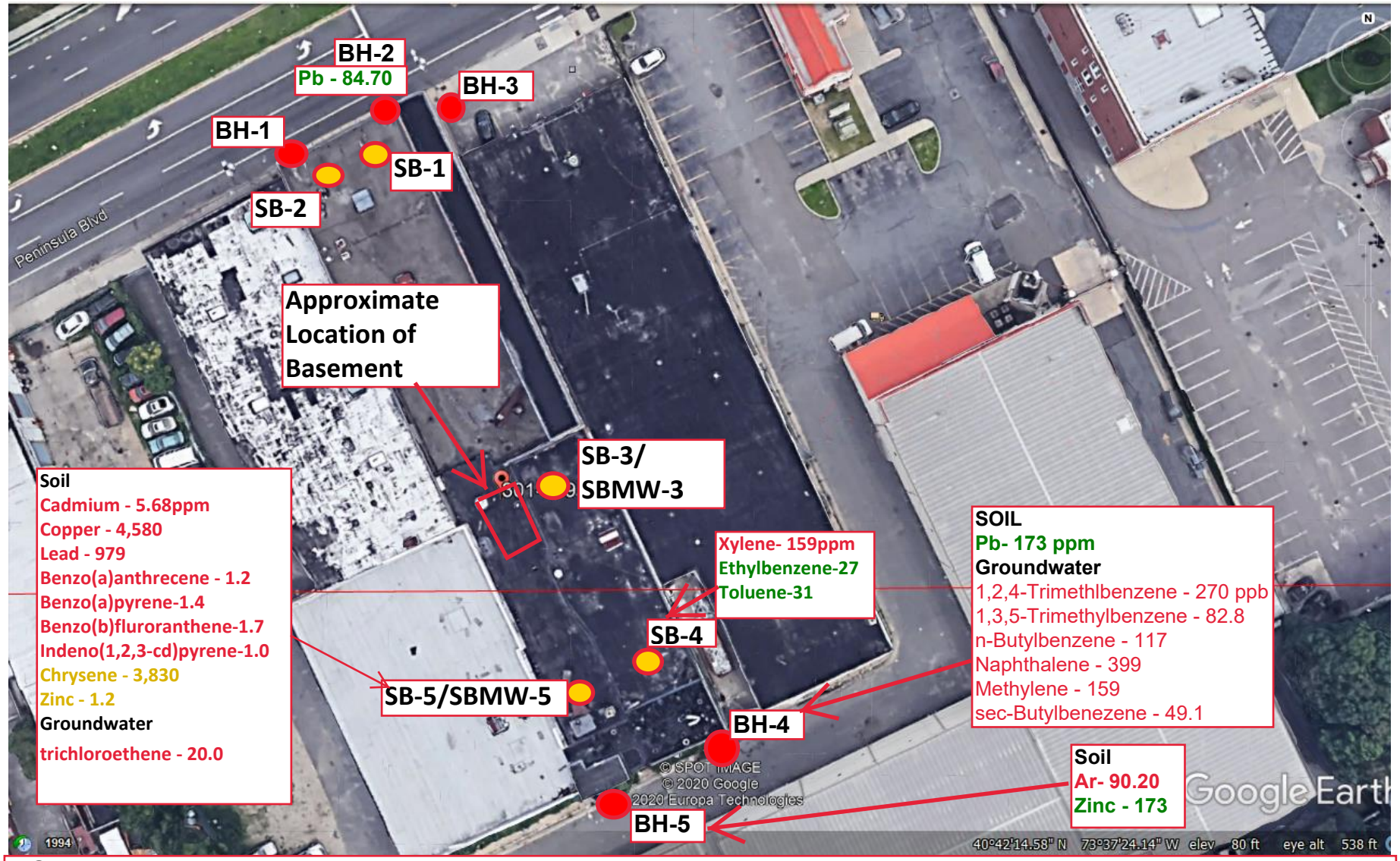


FIGURE: Boring Locations

Green- Above unrestricted SCOs

Yellow -Above residential SCOs

Red- Borings Inside building

Borings outside the building

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Parameter Tested	Sample Identification, Approximate Sample Depth in Feet Below Ground Surface, and Sample Date					NYSDEC Soil Cleanup Objectives (SCOs)		
	BH-1 0.5-4	BH-2 0.5-3	BH-3 0.5-2	BH-4 0.5-2	BH-5 0-3	Unrestricted	Residential	Restricted Residential
	6/19/2020							
METALS/INORGANICS								
Arsenic, Total	**1.50**	**2.45**	**1.15**	**4.58**	**90.2**	13	16	16
Barium, Total	**137**	**33.2**	**13.0**	**90.9**	**44.2**	350	350	400
Beryllium, Total	ND	ND	ND	ND	ND	7.2	14	72
Cadmium, Total	**0.370**	**0.480**	ND	**0.350**	**0.44**	2.5	2.5	4.3
Chromium, Total	**5.78**	**8.23**	**7.46**	**11.0**	**12.3**	30	36	180
Copper, Total	**7.68**	**19.3**	**5.53**	**102**	**14.1**	50	270	270
Lead, Total	**28.9**	**84.7**	**7.68**	**173**	**29.3**	63	400	400
Manganese, Total	**110**	**141**	**121**	**162**	**223**	1,600	2,000	2,000
Mercury, Total	**0.0130**	**0.119**	ND	**0.0800**	**0.170**	0.18	0.81	0.81
Nickel, Total	**5.25**	**6.86**	**8.60**	**8.76**	**8.76**	30	140	310
Selenium, Total	**1.64**	ND	**2.05**	**2.94**	**2.89**	3.9	180	1,500
Silver, Total	ND	ND	ND	ND	ND	2	180	1,500
Zinc, Total	**48.7**	**98.4**	**21.4**	**82.6**	**173**	109	2,200	10,000
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)								
SVOCs	ND	ND	ND	ND	ND	Various	Various	Various

Notes: All units in parts per million (ppm)
ND Analyte not detected
1.15 Analyte detected
173 Reported concentration greater than or equal to the NYSDEC Unrestricted SCO
90.2 Reported concentration greater than or equal to the NYSDEC Restricted Residential SCO
- Sample not tested for this analyte or not applicable

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Parameter Tested	Sample Identification, Approximate Sample Depth in Feet Below Ground Surface, and Sample Date						NYSDEC Soil Cleanup Objectives (SCOs)		
	SB-1 0-2	SB-2 0-2	SB-3 0-2	SB-4 0-2	SB-4 5-10	SB-5 0-3	Unrestricted	Residential	Restricted Residential
	6/30/2021								
METALS/INORGANICS									
Arsenic, Total	**2.9**	**1.4**	**1.4**	**3.1**	-	**8.9**	13	16	16
Barium, Total	**28.8**	**14.4**	**20.0**	**17.0**	-	**60.4**	350	350	400
Beryllium, Total	ND	ND	ND	ND	-	**0.42**	7.2	14	72
Cadmium, Total	ND	ND	ND	ND	-	**5.68**	2.5	2.5	4.3
Chromium, Total	**7.9**	**6.8**	**98.6**	**6.7**	-	**15.5**	30	36	180
Copper, Total	**16.7**	**16.5**	**19.1**	**20.0**	-	**4,580**	50	270	270
Lead, Total	**61.5**	**8.3**	ND	ND	-	**979**	63	400	400
Manganese, Total	**109**	**150**	**189**	**922**	-	**306**	1,600	2,000	2,000
Mercury, Total	**0.049**	**0.047**	ND	ND	-	**0.830**	0.18	0.81	0.81
Nickel, Total	**6.7**	**9.6**	**12.1**	**15.6**	-	ND	30	140	310
Selenium, Total	ND	ND	ND	ND	-	ND	3.9	180	1,500
Silver, Total	ND	ND	ND	ND	-	ND	2	180	1,500
Zinc, Total	**46.5**	**15.3**	**14.1**	**12.0**	-	**3,830**	109	2,200	10,000
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)									
2-Methylnaphthalene	ND	ND	ND	ND	**750**	ND	-	-	-
Benzo(a)anthracene	ND	ND	ND	ND	ND	**1.2**	1	1	1
Benzo(a)pyrene	ND	ND	ND	ND	ND	**1.4**	1	1	1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	**1.7**	1	1	1
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	**0.82**	100	100	100
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	**0.51**	0.8	1	3.9
Chrysene	ND	ND	ND	ND	ND	**1.2**	1	1	3.9
Fluoranthene	ND	ND	ND	ND	ND	**2.5**	100	100	100
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	**1**	0.5	0.5	0.5
Phenanthrene	ND	ND	ND	ND	ND	**0.69**	100	100	100
Pyrene	ND	ND	ND	ND	ND	**2.3**	100	100	100
Other SVOCs	ND	ND	ND	ND	ND	ND	Various	Various	Various
VOLATILE ORGANIC COMPOUNDS (VOCs)									
Acetone	-	-	-	ND	ND	**0.0086**	0.05	100	100
Ethylbenzene	-	-	-	ND	**27**	ND	1	30	41
Tetrachloroethene (PCE)	-	-	-	**0.019**	ND	ND	1.3	5.5	19
Toluene	-	-	-	ND	**31**	ND	0.7	100	100
Trichloroethene (TCE)	-	-	-	ND	ND	**0.058**	0.47	10	21
Xylenes, mixed	-	-	-	ND	**159**	ND	0.26	100	100
Other VOCs	-	-	-	ND	ND	ND	Various	Various	Various
POLYCHLORINATED BIPHENYLS (PCBs)									
PCBs	-	-	-	-	ND	-	0.1	1	1
DIESEL RANGE ORGANICS (DRO)/FUEL RELATED ANALYSIS									
DRO	-	-	-	-	**280,000**	-	-	-	-
Fuel Oil No. 2, No. 4, and No. 6	-	-	-	-	ND	-	-	-	-
Gasoline	-	-	-	-	**Absence**	**-**	-	-	-
Kerosene	-	-	-	-	ND	-	-	-	-
Lube Oil	-	-	-	-	**Absence**	**-**	-	-	-
n-Dodecane	-	-	-	-	**203,000**	**-**	-	-	-

Notes:
All units in parts per million (ppm)
ND Analyte not detected
10.3 Analyte detected
27 Reported concentration greater than or equal to the NYSDEC Unrestricted SCO
1.2 Reported concentration greater than or equal to the NYSDEC Residential SCO
159 Reported concentration greater than or equal to the NYSDEC Restricted Residential SCO
- Sample not tested for this analyte or not applicable

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Parameter Tested	Sample Identification and Sample Date				NYSDEC TOGS 1.1.1 GA
	BH-3	BH-4	SB-3	SB-5	
	6/19/2021		6/30/2021		
VOLATILE ORGANIC COMPOUNDS (VOCs)					
1,2,4-Trimethylbenzene	ND	**270**	ND	ND	5
1,3,5-Trimethylbenzene	ND	**82.8**	ND	ND	5
n-Butylbenzene	ND	**117**	ND	ND	5
sec-Butylbenzene	ND	**49.1**	ND	ND	5
Methylene Chloride	ND	**159**	ND	ND	5
Naphthalene	ND	**399**	ND	ND	10
Trichloroethene (TCE)	ND	ND	ND	**20**	5
Other VOCs	ND	ND	ND	ND	Various

Notes: All units in microgams per liter (µg/L)
NYSDEC New York State Department of Environmental Conservation
TOGS Technical and Operational Guidance Series
ND Analyte not detected
20 Analyte exceeds NYSDEC TOGS guidance value

APPENDICES

APPENDIX 1

PHOTOGRAPHS

BE3 Photolog

Date: 6/19/20

1. Location of Borehole BH-1 From North facing south

2. Location of BH-1 from west facing east

3. Location of BH-1 from west facing east

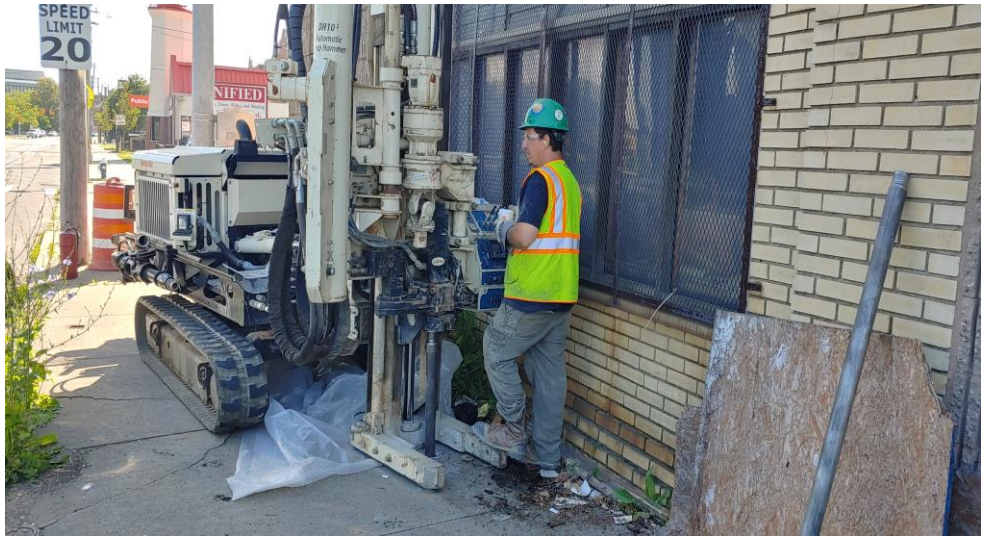
4. Soil cores BH-1

BE3 Photolog

Date: 6/19/20

5. Location of BH-2 from west looking south

6. Location of BH-2 from west facing east



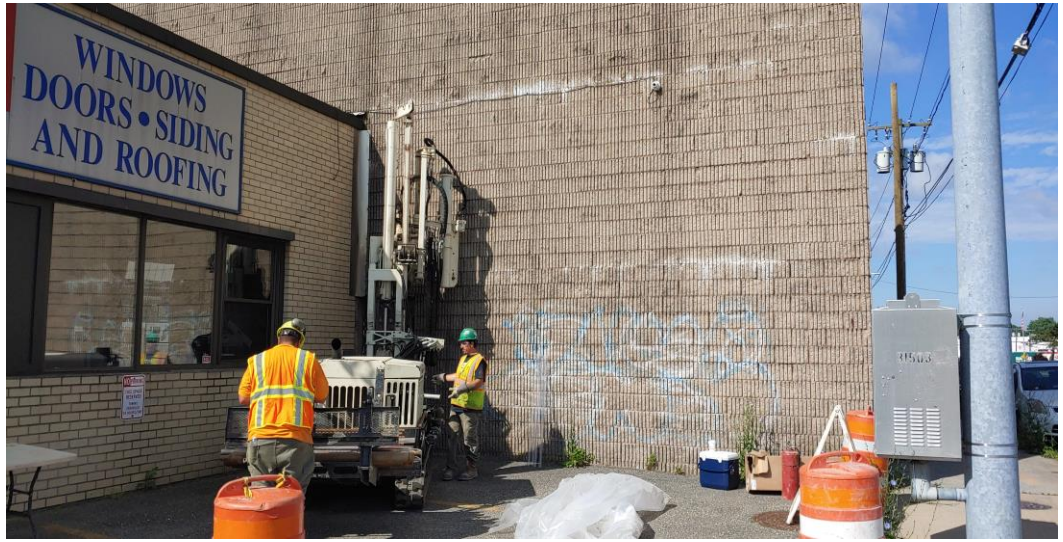
7. Close-up of location BH-2

8. BH-2 soil cores

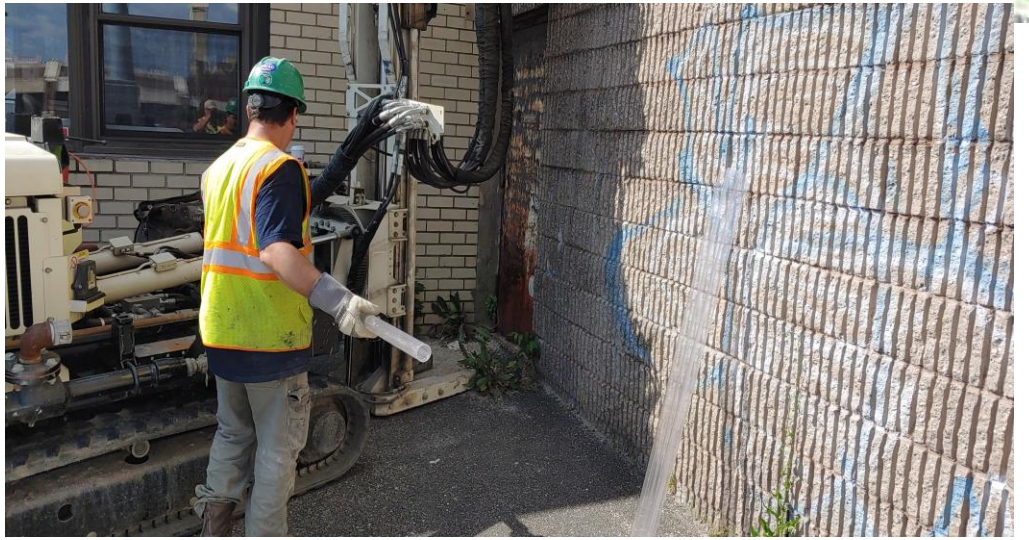
BE3 Photolog

Date: 6/19/20

9. Location of BH-3 from north facing south



10. Location of BH-3 from east facing west



11. Close-Up of Location of Borehole BH-3 just outside door on northeast side of building

12. Soil cores from BH-3

BE3 Photolog

Date: 6/19/20

13. Temporary well installed in BH-3

14. Location of Borehole BH-4 from south facing north

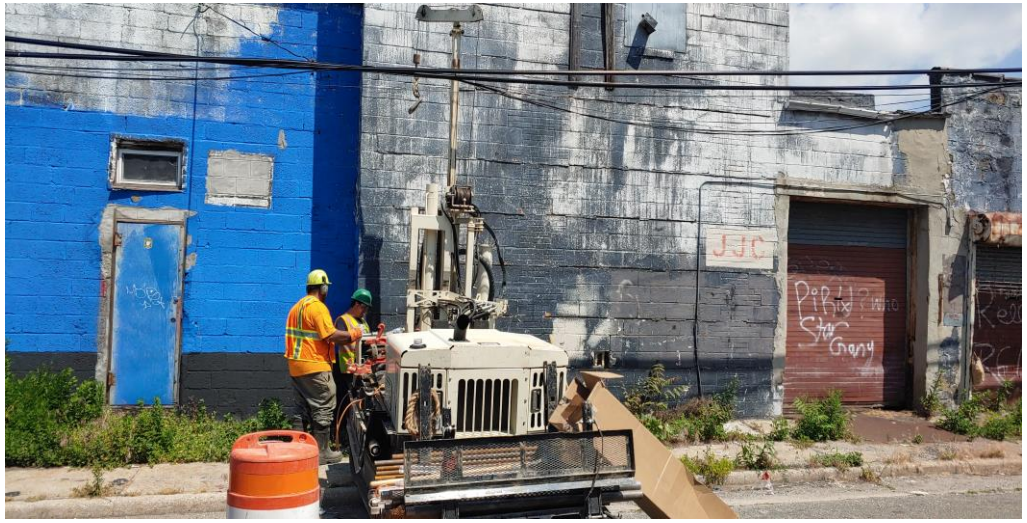
15. Location of Borehole BH-4 from east facing west

16. Close-up of BH-4 location

BE3 Photolog

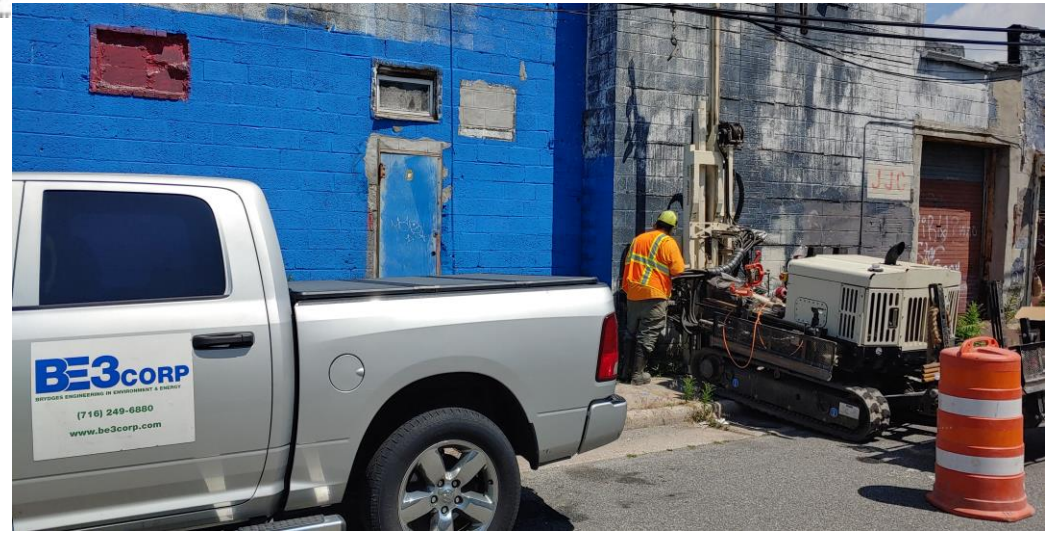
Date: 6/19/20

17. Soil cores from BH-4



18. Location of Borehole BH-5 from south facing north

19. Location of BH-5 from east facing west



20. Location of borehole BH-5 from southwest facing northeast

BE3 Photolog

Date: 6/19/20

21. Soil cores from BH-5

22. Temporary groundwater well in BH-4

BE3 Photolog

Date: 6/30/21

1. Stairs to small basement center of building

2. View in basement

3. View of wood covering sump in basement

4. Jumble of piping and possible drum or tank in Sump in basement

BE3 Photolog

Date: 6/30/21

5. Piping and possible drum/tank in sump in basement

6. View of northeast (front) area inside the building

7. View inside building from northeast front corner facing south towards the middle of the building

8. View of east-middle of building; note entrance to basement

BE3 Photolog

Date: 6/30/21

9. Middle of building

10. Middle of building

11. South-East middle of building

12. South-West middle of building

BE3 Photolog

Date: 6/30/21

13. View of middle of building

14. View of soil boring SB-1 in northeast corner of building

15. Soil from hand auger core – at SB-1

16. Location of SB-1

BE3 Photolog

Date: 6/30/21

17. Location of soil boring SB-2 in northwest corner facing north at front of building

18. Soil from hand auger SB-2 at 0.5-5 feet

19. Soil from 5-10 feet in SB-2

20. Location of Soil Boring SB-3 in the middle east side of building adjacent to the basement

BE3 Photolog

Date: 6/30/21

21. Location of SB-3 adjacent to basement

22. Soil cores from SB-3

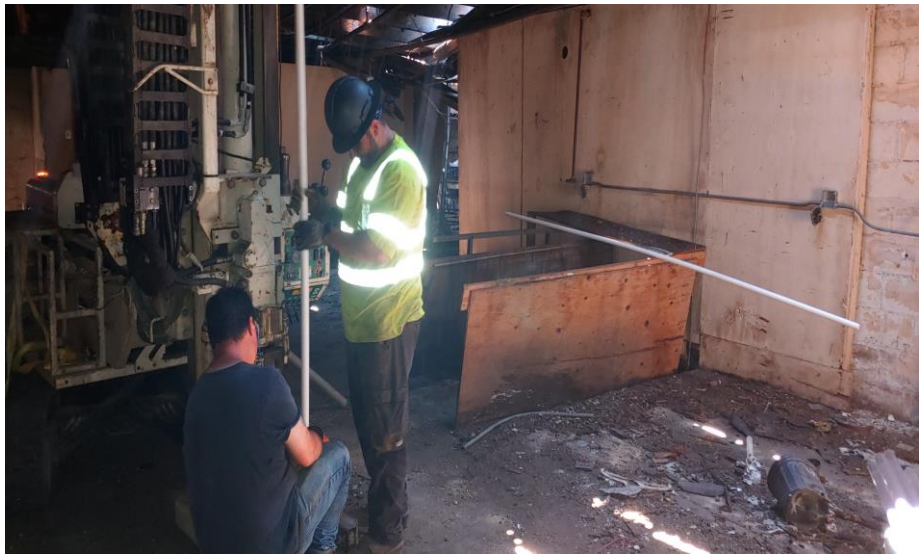
BE3CORP
BRYDGES ENGINEERING IN ENVIRONMENT & ENERGY

23. View of incinerator located in the rear southwest corner of building

24. Installation of temporary well in SB-3

BE3 Photolog

Date: 6/30/21



25. Installation of temporary well in SB-3

26. Location of soil boring SB-4 in southeast middle of building; taken from rear garage area

27. Location of SB-4

28. Soil core and sample full of oil at SB-4

BE3 Photolog

Date: 6/30/21

29. Oil from SB-4

30 Location of soil boring SB-5 in southwest area of building facing north from rear garage area

31. Location of SB-5 in southwest area of building facing south

32. View of soil cores from SB-5 (minus oil splotch from previous location)

APPENDIX 2

LAB DATA

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

BE3

For Lab Project ID

202831

Referencing

Hempstead

Prepared

Wednesday, July 1, 2020

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-0.5-4 FT		
Lab Sample ID:	202831-01	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**1.50**	mg/Kg		6/30/2020 10:59
Barium	**137**	mg/Kg		6/30/2020 10:59
Beryllium	< 0.259	mg/Kg		6/30/2020 10:59
Cadmium	**0.373**	mg/Kg		6/30/2020 10:59
Chromium	**5.78**	mg/Kg		6/30/2020 10:59
Copper	**7.68**	mg/Kg		6/30/2020 10:59
Lead	**28.9**	mg/Kg		6/30/2020 10:59
Manganese	**110**	mg/Kg		6/30/2020 10:59
Nickel	**5.25**	mg/Kg		6/30/2020 10:59
Selenium	**1.64**	mg/Kg		6/30/2020 10:59
Silver	< 0.518	mg/Kg		6/30/2020 10:59
Zinc	**48.7**	mg/Kg		6/30/2020 10:59

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 6/26/2020
Data File: 200630A

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0132**	mg/Kg		6/30/2020 10:29

Method Reference(s): EPA 7471B
Preparation Date: 6/29/2020
Data File: Hg200630B

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 279	ug/Kg		6/26/2020 06:57
1,2,4,5-Tetrachlorobenzene	< 279	ug/Kg		6/26/2020 06:57
1,2,4-Trichlorobenzene	< 279	ug/Kg		6/26/2020 06:57
1,2-Dichlorobenzene	< 279	ug/Kg		6/26/2020 06:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-0.5-4 FT		
Lab Sample ID:	202831-01	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

1,3-Dichlorobenzene	< 279	ug/Kg	6/26/2020	06:57
1,4-Dichlorobenzene	< 279	ug/Kg	6/26/2020	06:57
2,2-Oxybis (1-chloropropane)	< 279	ug/Kg	6/26/2020	06:57
2,3,4,6-Tetrachlorophenol	< 279	ug/Kg	6/26/2020	06:57
2,4,5-Trichlorophenol	< 279	ug/Kg	6/26/2020	06:57
2,4,6-Trichlorophenol	< 279	ug/Kg	6/26/2020	06:57
2,4-Dichlorophenol	< 279	ug/Kg	6/26/2020	06:57
2,4-Dimethylphenol	< 279	ug/Kg	6/26/2020	06:57
2,4-Dinitrophenol	< 1120	ug/Kg	6/26/2020	06:57
2,4-Dinitrotoluene	< 279	ug/Kg	6/26/2020	06:57
2,6-Dinitrotoluene	< 279	ug/Kg	6/26/2020	06:57
2-Chloronaphthalene	< 279	ug/Kg	6/26/2020	06:57
2-Chlorophenol	< 279	ug/Kg	6/26/2020	06:57
2-Methylnapthalene	< 279	ug/Kg	6/26/2020	06:57
2-Methylphenol	< 279	ug/Kg	6/26/2020	06:57
2-Nitroaniline	< 279	ug/Kg	6/26/2020	06:57
2-Nitrophenol	< 279	ug/Kg	6/26/2020	06:57
3&4-Methylphenol	< 279	ug/Kg	6/26/2020	06:57
3,3'-Dichlorobenzidine	< 279	ug/Kg	6/26/2020	06:57
3-Nitroaniline	< 279	ug/Kg	6/26/2020	06:57
4,6-Dinitro-2-methylphenol	< 373	ug/Kg	6/26/2020	06:57
4-Bromophenyl phenyl ether	< 279	ug/Kg	6/26/2020	06:57
4-Chloro-3-methylphenol	< 279	ug/Kg	6/26/2020	06:57
4-Chloroaniline	< 279	ug/Kg	6/26/2020	06:57
4-Chlorophenyl phenyl ether	< 279	ug/Kg	6/26/2020	06:57
4-Nitroaniline	< 279	ug/Kg	6/26/2020	06:57
4-Nitrophenol	< 279	ug/Kg	6/26/2020	06:57
Acenaphthene	< 279	ug/Kg	6/26/2020	06:57
Acenaphthylene	< 279	ug/Kg	6/26/2020	06:57
Acetophenone	< 279	ug/Kg	6/26/2020	06:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-0.5-4 FT		
Lab Sample ID:	202831-01	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Anthracene	< 279	ug/Kg	6/26/2020	06:57
Atrazine	< 279	ug/Kg	6/26/2020	06:57
Benzaldehyde	< 279	ug/Kg	6/26/2020	06:57
Benzo (a) anthracene	< 279	ug/Kg	6/26/2020	06:57
Benzo (a) pyrene	< 279	ug/Kg	6/26/2020	06:57
Benzo (b) fluoranthene	< 279	ug/Kg	6/26/2020	06:57
Benzo (g,h,i) perylene	< 279	ug/Kg	6/26/2020	06:57
Benzo (k) fluoranthene	< 279	ug/Kg	6/26/2020	06:57
Bis (2-chloroethoxy) methane	< 279	ug/Kg	6/26/2020	06:57
Bis (2-chloroethyl) ether	< 279	ug/Kg	6/26/2020	06:57
Bis (2-ethylhexyl) phthalate	< 279	ug/Kg	6/26/2020	06:57
Butylbenzylphthalate	< 279	ug/Kg	6/26/2020	06:57
Caprolactam	< 279	ug/Kg	6/26/2020	06:57
Carbazole	< 279	ug/Kg	6/26/2020	06:57
Chrysene	< 279	ug/Kg	6/26/2020	06:57
Dibenz (a,h) anthracene	< 279	ug/Kg	6/26/2020	06:57
Dibenzofuran	< 279	ug/Kg	6/26/2020	06:57
Diethyl phthalate	< 279	ug/Kg	6/26/2020	06:57
Dimethyl phthalate	< 279	ug/Kg	6/26/2020	06:57
Di-n-butyl phthalate	< 279	ug/Kg	6/26/2020	06:57
Di-n-octylphthalate	< 279	ug/Kg	6/26/2020	06:57
Fluoranthene	< 279	ug/Kg	6/26/2020	06:57
Fluorene	< 279	ug/Kg	6/26/2020	06:57
Hexachlorobenzene	< 279	ug/Kg	6/26/2020	06:57
Hexachlorobutadiene	< 279	ug/Kg	6/26/2020	06:57
Hexachlorocyclopentadiene	< 1120	ug/Kg	6/26/2020	06:57
Hexachloroethane	< 279	ug/Kg	6/26/2020	06:57
Indeno (1,2,3-cd) pyrene	< 279	ug/Kg	6/26/2020	06:57
Isophorone	< 279	ug/Kg	6/26/2020	06:57
Naphthalene	< 279	ug/Kg	6/26/2020	06:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-0.5-4 FT		
Lab Sample ID:	202831-01	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Nitrobenzene	< 279	ug/Kg		6/26/2020 06:57
N-Nitroso-di-n-propylamine	< 279	ug/Kg		6/26/2020 06:57
N-Nitrosodiphenylamine	< 279	ug/Kg		6/26/2020 06:57
Pentachlorophenol	< 558	ug/Kg		6/26/2020 06:57
Phenanthrene	< 279	ug/Kg		6/26/2020 06:57
Phenol	< 279	ug/Kg		6/26/2020 06:57
Pyrene	< 279	ug/Kg		6/26/2020 06:57

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
2,4,6-Tribromophenol	**64.9**	39 - 88.1		6/26/2020 06:57
2-Fluorobiphenyl	**79.4**	42.5 - 81.1		6/26/2020 06:57
2-Fluorophenol	**73.2**	39.8 - 77.3		6/26/2020 06:57
Nitrobenzene-d5	**79.0**	40.1 - 77.1	*	6/26/2020 06:57
Phenol-d5	**70.7**	41.7 - 76.6		6/26/2020 06:57
Terphenyl-d14	**84.1**	41.6 - 96.8		6/26/2020 06:57

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 6/25/2020
Data File: B47474.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-18-19 FT		
Lab Sample ID:	202831-02	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.39	ug/Kg		6/29/2020 21:12
1,1,2,2-Tetrachloroethane	< 7.39	ug/Kg		6/29/2020 21:12
1,1,2-Trichloroethane	< 7.39	ug/Kg		6/29/2020 21:12
1,1-Dichloroethane	< 7.39	ug/Kg		6/29/2020 21:12
1,1-Dichloroethene	< 7.39	ug/Kg		6/29/2020 21:12
1,2,3-Trichlorobenzene	< 18.5	ug/Kg		6/29/2020 21:12
1,2,4-Trichlorobenzene	< 18.5	ug/Kg		6/29/2020 21:12
1,2,4-Trimethylbenzene	< 7.39	ug/Kg		6/29/2020 21:12
1,2-Dibromo-3-Chloropropane	< 36.9	ug/Kg		6/29/2020 21:12
1,2-Dibromoethane	< 7.39	ug/Kg		6/29/2020 21:12
1,2-Dichlorobenzene	< 7.39	ug/Kg		6/29/2020 21:12
1,2-Dichloroethane	< 7.39	ug/Kg		6/29/2020 21:12
1,2-Dichloropropane	< 7.39	ug/Kg		6/29/2020 21:12
1,3,5-Trimethylbenzene	< 7.39	ug/Kg		6/29/2020 21:12
1,3-Dichlorobenzene	< 7.39	ug/Kg		6/29/2020 21:12
1,4-Dichlorobenzene	< 7.39	ug/Kg		6/29/2020 21:12
1,4-Dioxane	< 73.9	ug/Kg		6/29/2020 21:12
2-Butanone	< 36.9	ug/Kg		6/29/2020 21:12
2-Hexanone	< 18.5	ug/Kg		6/29/2020 21:12
4-Methyl-2-pentanone	< 18.5	ug/Kg		6/29/2020 21:12
Acetone	< 36.9	ug/Kg		6/29/2020 21:12
Benzene	< 7.39	ug/Kg		6/29/2020 21:12
Bromochloromethane	< 18.5	ug/Kg		6/29/2020 21:12
Bromodichloromethane	< 7.39	ug/Kg		6/29/2020 21:12
Bromoform	< 18.5	ug/Kg		6/29/2020 21:12
Bromomethane	< 7.39	ug/Kg		6/29/2020 21:12
Carbon disulfide	< 7.39	ug/Kg		6/29/2020 21:12
Carbon Tetrachloride	< 7.39	ug/Kg		6/29/2020 21:12

Sample Identifier:	BH1-18-19 FT		
Lab Sample ID:	202831-02	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Chlorobenzene	< 7.39	ug/Kg	6/29/2020	21:12
Chloroethane	< 7.39	ug/Kg	6/29/2020	21:12
Chloroform	< 7.39	ug/Kg	6/29/2020	21:12
Chloromethane	< 7.39	ug/Kg	6/29/2020	21:12
cis-1,2-Dichloroethene	< 7.39	ug/Kg	6/29/2020	21:12
cis-1,3-Dichloropropene	< 7.39	ug/Kg	6/29/2020	21:12
Cyclohexane	< 36.9	ug/Kg	6/29/2020	21:12
Dibromochloromethane	< 7.39	ug/Kg	6/29/2020	21:12
Dichlorodifluoromethane	< 7.39	ug/Kg	6/29/2020	21:12
Ethylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
Freon 113	< 7.39	ug/Kg	6/29/2020	21:12
Isopropylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
m,p-Xylene	< 7.39	ug/Kg	6/29/2020	21:12
Methyl acetate	< 7.39	ug/Kg	6/29/2020	21:12
Methyl tert-butyl Ether	< 7.39	ug/Kg	6/29/2020	21:12
Methylcyclohexane	< 7.39	ug/Kg	6/29/2020	21:12
Methylene chloride	< 18.5	ug/Kg	6/29/2020	21:12
Naphthalene	< 18.5	ug/Kg	6/29/2020	21:12
n-Butylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
n-Propylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
o-Xylene	< 7.39	ug/Kg	6/29/2020	21:12
p-Isopropyltoluene	< 7.39	ug/Kg	6/29/2020	21:12
sec-Butylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
Styrene	< 18.5	ug/Kg	6/29/2020	21:12
tert-Butylbenzene	< 7.39	ug/Kg	6/29/2020	21:12
Tetrachloroethene	< 7.39	ug/Kg	6/29/2020	21:12
Toluene	< 7.39	ug/Kg	6/29/2020	21:12
trans-1,2-Dichloroethene	< 7.39	ug/Kg	6/29/2020	21:12
trans-1,3-Dichloropropene	< 7.39	ug/Kg	6/29/2020	21:12
Trichloroethene	< 7.39	ug/Kg	6/29/2020	21:12

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH1-18-19 FT		
Lab Sample ID:	202831-02	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 7.39	ug/Kg		6/29/2020	21:12
Vinyl chloride	< 7.39	ug/Kg		6/29/2020	21:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**90.9**	80.8 - 134		6/29/2020	21:12
4-Bromofluorobenzene	**78.5**	54.9 - 132		6/29/2020	21:12
Pentafluorobenzene	**104**	85.8 - 114		6/29/2020	21:12
Toluene-D8	**93.3**	81 - 117		6/29/2020	21:12

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x71365.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH2-0.5-3 FT		
Lab Sample ID:	202831-03	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.45**	mg/Kg		6/30/2020 21:05
Barium	**33.2**	mg/Kg		6/30/2020 21:05
Beryllium	< 0.245	mg/Kg		6/30/2020 21:05
Cadmium	**0.482**	mg/Kg		6/30/2020 21:05
Chromium	**8.23**	mg/Kg		6/30/2020 21:05
Copper	**19.3**	mg/Kg		6/30/2020 21:05
Lead	**84.7**	mg/Kg		6/30/2020 21:05
Manganese	**141**	mg/Kg		6/30/2020 21:05
Nickel	**6.86**	mg/Kg		6/30/2020 21:05
Selenium	< 0.982	mg/Kg		7/1/2020 08:11
Silver	< 0.491	mg/Kg		6/30/2020 21:05
Zinc	**98.4**	mg/Kg		6/30/2020 21:05

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 6/26/2020
Data File: 200630B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.119**	mg/Kg		6/30/2020 10:31

Method Reference(s): EPA 7471B
Preparation Date: 6/29/2020
Data File: Hg200630B

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 286	ug/Kg		6/26/2020 07:26
1,2,4,5-Tetrachlorobenzene	< 286	ug/Kg		6/26/2020 07:26
1,2,4-Trichlorobenzene	< 286	ug/Kg		6/26/2020 07:26
1,2-Dichlorobenzene	< 286	ug/Kg		6/26/2020 07:26

Sample Identifier:	BH2-0.5-3 FT		
Lab Sample ID:	202831-03	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

1,3-Dichlorobenzene	< 286	ug/Kg	6/26/2020	07:26
1,4-Dichlorobenzene	< 286	ug/Kg	6/26/2020	07:26
2,2-Oxybis (1-chloropropane)	< 286	ug/Kg	6/26/2020	07:26
2,3,4,6-Tetrachlorophenol	< 286	ug/Kg	6/26/2020	07:26
2,4,5-Trichlorophenol	< 286	ug/Kg	6/26/2020	07:26
2,4,6-Trichlorophenol	< 286	ug/Kg	6/26/2020	07:26
2,4-Dichlorophenol	< 286	ug/Kg	6/26/2020	07:26
2,4-Dimethylphenol	< 286	ug/Kg	6/26/2020	07:26
2,4-Dinitrophenol	< 1140	ug/Kg	6/26/2020	07:26
2,4-Dinitrotoluene	< 286	ug/Kg	6/26/2020	07:26
2,6-Dinitrotoluene	< 286	ug/Kg	6/26/2020	07:26
2-Chloronaphthalene	< 286	ug/Kg	6/26/2020	07:26
2-Chlorophenol	< 286	ug/Kg	6/26/2020	07:26
2-Methylnapthalene	< 286	ug/Kg	6/26/2020	07:26
2-Methylphenol	< 286	ug/Kg	6/26/2020	07:26
2-Nitroaniline	< 286	ug/Kg	6/26/2020	07:26
2-Nitrophenol	< 286	ug/Kg	6/26/2020	07:26
3&4-Methylphenol	< 286	ug/Kg	6/26/2020	07:26
3,3'-Dichlorobenzidine	< 286	ug/Kg	6/26/2020	07:26
3-Nitroaniline	< 286	ug/Kg	6/26/2020	07:26
4,6-Dinitro-2-methylphenol	< 383	ug/Kg	6/26/2020	07:26
4-Bromophenyl phenyl ether	< 286	ug/Kg	6/26/2020	07:26
4-Chloro-3-methylphenol	< 286	ug/Kg	6/26/2020	07:26
4-Chloroaniline	< 286	ug/Kg	6/26/2020	07:26
4-Chlorophenyl phenyl ether	< 286	ug/Kg	6/26/2020	07:26
4-Nitroaniline	< 286	ug/Kg	6/26/2020	07:26
4-Nitrophenol	< 286	ug/Kg	6/26/2020	07:26
Acenaphthene	< 286	ug/Kg	6/26/2020	07:26
Acenaphthylene	< 286	ug/Kg	6/26/2020	07:26
Acetophenone	< 286	ug/Kg	6/26/2020	07:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH2-0.5-3 FT		
Lab Sample ID:	202831-03	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Anthracene	< 286	ug/Kg	6/26/2020	07:26
Atrazine	< 286	ug/Kg	6/26/2020	07:26
Benzaldehyde	< 286	ug/Kg	6/26/2020	07:26
Benzo (a) anthracene	< 286	ug/Kg	6/26/2020	07:26
Benzo (a) pyrene	< 286	ug/Kg	6/26/2020	07:26
Benzo (b) fluoranthene	< 286	ug/Kg	6/26/2020	07:26
Benzo (g,h,i) perylene	< 286	ug/Kg	6/26/2020	07:26
Benzo (k) fluoranthene	< 286	ug/Kg	6/26/2020	07:26
Bis (2-chloroethoxy) methane	< 286	ug/Kg	6/26/2020	07:26
Bis (2-chloroethyl) ether	< 286	ug/Kg	6/26/2020	07:26
Bis (2-ethylhexyl) phthalate	< 286	ug/Kg	6/26/2020	07:26
Butylbenzylphthalate	< 286	ug/Kg	6/26/2020	07:26
Caprolactam	< 286	ug/Kg	6/26/2020	07:26
Carbazole	< 286	ug/Kg	6/26/2020	07:26
Chrysene	< 286	ug/Kg	6/26/2020	07:26
Dibenz (a,h) anthracene	< 286	ug/Kg	6/26/2020	07:26
Dibenzofuran	< 286	ug/Kg	6/26/2020	07:26
Diethyl phthalate	< 286	ug/Kg	6/26/2020	07:26
Dimethyl phthalate	< 286	ug/Kg	6/26/2020	07:26
Di-n-butyl phthalate	< 286	ug/Kg	6/26/2020	07:26
Di-n-octylphthalate	< 286	ug/Kg	6/26/2020	07:26
Fluoranthene	< 286	ug/Kg	6/26/2020	07:26
Fluorene	< 286	ug/Kg	6/26/2020	07:26
Hexachlorobenzene	< 286	ug/Kg	6/26/2020	07:26
Hexachlorobutadiene	< 286	ug/Kg	6/26/2020	07:26
Hexachlorocyclopentadiene	< 1140	ug/Kg	6/26/2020	07:26
Hexachloroethane	< 286	ug/Kg	6/26/2020	07:26
Indeno (1,2,3-cd) pyrene	< 286	ug/Kg	6/26/2020	07:26
Isophorone	< 286	ug/Kg	6/26/2020	07:26
Naphthalene	< 286	ug/Kg	6/26/2020	07:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH2-0.5-3 FT		
Lab Sample ID:	202831-03	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Nitrobenzene	< 286	ug/Kg		6/26/2020 07:26
N-Nitroso-di-n-propylamine	< 286	ug/Kg		6/26/2020 07:26
N-Nitrosodiphenylamine	< 286	ug/Kg		6/26/2020 07:26
Pentachlorophenol	< 572	ug/Kg		6/26/2020 07:26
Phenanthrene	< 286	ug/Kg		6/26/2020 07:26
Phenol	< 286	ug/Kg		6/26/2020 07:26
Pyrene	< 286	ug/Kg		6/26/2020 07:26

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
2,4,6-Tribromophenol	**13.8**	39 - 88.1	*	6/26/2020 07:26
2-Fluorobiphenyl	**77.8**	42.5 - 81.1		6/26/2020 07:26
2-Fluorophenol	**59.9**	39.8 - 77.3		6/26/2020 07:26
Nitrobenzene-d5	**75.1**	40.1 - 77.1		6/26/2020 07:26
Phenol-d5	**66.5**	41.7 - 76.6		6/26/2020 07:26
Terphenyl-d14	**77.4**	41.6 - 96.8		6/26/2020 07:26

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 6/25/2020
Data File: B47475.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH2-18-20 FT		
Lab Sample ID:	202831-04	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.00	ug/Kg		6/29/2020 21:35
1,1,2,2-Tetrachloroethane	< 7.00	ug/Kg		6/29/2020 21:35
1,1,2-Trichloroethane	< 7.00	ug/Kg		6/29/2020 21:35
1,1-Dichloroethane	< 7.00	ug/Kg		6/29/2020 21:35
1,1-Dichloroethene	< 7.00	ug/Kg		6/29/2020 21:35
1,2,3-Trichlorobenzene	< 17.5	ug/Kg		6/29/2020 21:35
1,2,4-Trichlorobenzene	< 17.5	ug/Kg		6/29/2020 21:35
1,2,4-Trimethylbenzene	< 7.00	ug/Kg		6/29/2020 21:35
1,2-Dibromo-3-Chloropropane	< 35.0	ug/Kg		6/29/2020 21:35
1,2-Dibromoethane	< 7.00	ug/Kg		6/29/2020 21:35
1,2-Dichlorobenzene	< 7.00	ug/Kg		6/29/2020 21:35
1,2-Dichloroethane	< 7.00	ug/Kg		6/29/2020 21:35
1,2-Dichloropropane	< 7.00	ug/Kg		6/29/2020 21:35
1,3,5-Trimethylbenzene	< 7.00	ug/Kg		6/29/2020 21:35
1,3-Dichlorobenzene	< 7.00	ug/Kg		6/29/2020 21:35
1,4-Dichlorobenzene	< 7.00	ug/Kg		6/29/2020 21:35
1,4-Dioxane	< 70.0	ug/Kg		6/29/2020 21:35
2-Butanone	< 35.0	ug/Kg		6/29/2020 21:35
2-Hexanone	< 17.5	ug/Kg		6/29/2020 21:35
4-Methyl-2-pentanone	< 17.5	ug/Kg		6/29/2020 21:35
Acetone	< 35.0	ug/Kg		6/29/2020 21:35
Benzene	< 7.00	ug/Kg		6/29/2020 21:35
Bromochloromethane	< 17.5	ug/Kg		6/29/2020 21:35
Bromodichloromethane	< 7.00	ug/Kg		6/29/2020 21:35
Bromoform	< 17.5	ug/Kg		6/29/2020 21:35
Bromomethane	< 7.00	ug/Kg		6/29/2020 21:35
Carbon disulfide	< 7.00	ug/Kg		6/29/2020 21:35
Carbon Tetrachloride	< 7.00	ug/Kg		6/29/2020 21:35

Sample Identifier:	BH2-18-20 FT		
Lab Sample ID:	202831-04	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Chlorobenzene	< 7.00	ug/Kg	6/29/2020	21:35
Chloroethane	< 7.00	ug/Kg	6/29/2020	21:35
Chloroform	< 7.00	ug/Kg	6/29/2020	21:35
Chloromethane	< 7.00	ug/Kg	6/29/2020	21:35
cis-1,2-Dichloroethene	< 7.00	ug/Kg	6/29/2020	21:35
cis-1,3-Dichloropropene	< 7.00	ug/Kg	6/29/2020	21:35
Cyclohexane	< 35.0	ug/Kg	6/29/2020	21:35
Dibromochloromethane	< 7.00	ug/Kg	6/29/2020	21:35
Dichlorodifluoromethane	< 7.00	ug/Kg	6/29/2020	21:35
Ethylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
Freon 113	< 7.00	ug/Kg	6/29/2020	21:35
Isopropylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
m,p-Xylene	< 7.00	ug/Kg	6/29/2020	21:35
Methyl acetate	< 7.00	ug/Kg	6/29/2020	21:35
Methyl tert-butyl Ether	< 7.00	ug/Kg	6/29/2020	21:35
Methylcyclohexane	< 7.00	ug/Kg	6/29/2020	21:35
Methylene chloride	< 17.5	ug/Kg	6/29/2020	21:35
Naphthalene	< 17.5	ug/Kg	6/29/2020	21:35
n-Butylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
n-Propylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
o-Xylene	< 7.00	ug/Kg	6/29/2020	21:35
p-Isopropyltoluene	< 7.00	ug/Kg	6/29/2020	21:35
sec-Butylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
Styrene	< 17.5	ug/Kg	6/29/2020	21:35
tert-Butylbenzene	< 7.00	ug/Kg	6/29/2020	21:35
Tetrachloroethene	< 7.00	ug/Kg	6/29/2020	21:35
Toluene	< 7.00	ug/Kg	6/29/2020	21:35
trans-1,2-Dichloroethene	< 7.00	ug/Kg	6/29/2020	21:35
trans-1,3-Dichloropropene	< 7.00	ug/Kg	6/29/2020	21:35
Trichloroethene	< 7.00	ug/Kg	6/29/2020	21:35

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH2-18-20 FT		
Lab Sample ID:	202831-04	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 7.00	ug/Kg			6/29/2020 21:35
Vinyl chloride	< 7.00	ug/Kg			6/29/2020 21:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**93.2**	80.8 - 134		6/29/2020 21:35
4-Bromofluorobenzene	**78.0**	54.9 - 132		6/29/2020 21:35
Pentafluorobenzene	**106**	85.8 - 114		6/29/2020 21:35
Toluene-D8	**95.3**	81 - 117		6/29/2020 21:35

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x71366.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-0.5-2 FT		
Lab Sample ID:	202831-05	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**1.15**	mg/Kg		6/30/2020 21:10
Barium	**13.0**	mg/Kg		6/30/2020 21:10
Beryllium	< 0.245	mg/Kg		6/30/2020 21:10
Cadmium	< 0.245	mg/Kg		6/30/2020 21:10
Chromium	**7.46**	mg/Kg		6/30/2020 21:10
Copper	**5.53**	mg/Kg		6/30/2020 21:10
Lead	**7.68**	mg/Kg		6/30/2020 21:10
Manganese	**121**	mg/Kg		6/30/2020 21:10
Nickel	**8.60**	mg/Kg		6/30/2020 21:10
Selenium	**2.05**	mg/Kg		6/30/2020 21:10
Silver	< 0.490	mg/Kg		6/30/2020 21:10
Zinc	**21.4**	mg/Kg		6/30/2020 21:10

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 6/26/2020
Data File: 200630B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00840	mg/Kg		6/30/2020 00:44

Method Reference(s): EPA 7471B
Preparation Date: 6/29/2020
Data File: Hg200630B

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 291	ug/Kg		6/26/2020 07:56
1,2,4,5-Tetrachlorobenzene	< 291	ug/Kg		6/26/2020 07:56
1,2,4-Trichlorobenzene	< 291	ug/Kg		6/26/2020 07:56
1,2-Dichlorobenzene	< 291	ug/Kg		6/26/2020 07:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-0.5-2 FT		
Lab Sample ID:	202831-05	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

1,3-Dichlorobenzene	< 291	ug/Kg	6/26/2020	07:56
1,4-Dichlorobenzene	< 291	ug/Kg	6/26/2020	07:56
2,2-Oxybis (1-chloropropane)	< 291	ug/Kg	6/26/2020	07:56
2,3,4,6-Tetrachlorophenol	< 291	ug/Kg	6/26/2020	07:56
2,4,5-Trichlorophenol	< 291	ug/Kg	6/26/2020	07:56
2,4,6-Trichlorophenol	< 291	ug/Kg	6/26/2020	07:56
2,4-Dichlorophenol	< 291	ug/Kg	6/26/2020	07:56
2,4-Dimethylphenol	< 291	ug/Kg	6/26/2020	07:56
2,4-Dinitrophenol	< 1170	ug/Kg	6/26/2020	07:56
2,4-Dinitrotoluene	< 291	ug/Kg	6/26/2020	07:56
2,6-Dinitrotoluene	< 291	ug/Kg	6/26/2020	07:56
2-Chloronaphthalene	< 291	ug/Kg	6/26/2020	07:56
2-Chlorophenol	< 291	ug/Kg	6/26/2020	07:56
2-Methylnapthalene	< 291	ug/Kg	6/26/2020	07:56
2-Methylphenol	< 291	ug/Kg	6/26/2020	07:56
2-Nitroaniline	< 291	ug/Kg	6/26/2020	07:56
2-Nitrophenol	< 291	ug/Kg	6/26/2020	07:56
3&4-Methylphenol	< 291	ug/Kg	6/26/2020	07:56
3,3'-Dichlorobenzidine	< 291	ug/Kg	6/26/2020	07:56
3-Nitroaniline	< 291	ug/Kg	6/26/2020	07:56
4,6-Dinitro-2-methylphenol	< 390	ug/Kg	6/26/2020	07:56
4-Bromophenyl phenyl ether	< 291	ug/Kg	6/26/2020	07:56
4-Chloro-3-methylphenol	< 291	ug/Kg	6/26/2020	07:56
4-Chloroaniline	< 291	ug/Kg	6/26/2020	07:56
4-Chlorophenyl phenyl ether	< 291	ug/Kg	6/26/2020	07:56
4-Nitroaniline	< 291	ug/Kg	6/26/2020	07:56
4-Nitrophenol	< 291	ug/Kg	6/26/2020	07:56
Acenaphthene	< 291	ug/Kg	6/26/2020	07:56
Acenaphthylene	< 291	ug/Kg	6/26/2020	07:56
Acetophenone	< 291	ug/Kg	6/26/2020	07:56

Sample Identifier:	BH3-0.5-2 FT		
Lab Sample ID:	202831-05	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Anthracene	< 291	ug/Kg	6/26/2020	07:56
Atrazine	< 291	ug/Kg	6/26/2020	07:56
Benzaldehyde	< 291	ug/Kg	6/26/2020	07:56
Benzo (a) anthracene	< 291	ug/Kg	6/26/2020	07:56
Benzo (a) pyrene	< 291	ug/Kg	6/26/2020	07:56
Benzo (b) fluoranthene	< 291	ug/Kg	6/26/2020	07:56
Benzo (g,h,i) perylene	< 291	ug/Kg	6/26/2020	07:56
Benzo (k) fluoranthene	< 291	ug/Kg	6/26/2020	07:56
Bis (2-chloroethoxy) methane	< 291	ug/Kg	6/26/2020	07:56
Bis (2-chloroethyl) ether	< 291	ug/Kg	6/26/2020	07:56
Bis (2-ethylhexyl) phthalate	< 291	ug/Kg	6/26/2020	07:56
Butylbenzylphthalate	< 291	ug/Kg	6/26/2020	07:56
Caprolactam	< 291	ug/Kg	6/26/2020	07:56
Carbazole	< 291	ug/Kg	6/26/2020	07:56
Chrysene	< 291	ug/Kg	6/26/2020	07:56
Dibenz (a,h) anthracene	< 291	ug/Kg	6/26/2020	07:56
Dibenzofuran	< 291	ug/Kg	6/26/2020	07:56
Diethyl phthalate	< 291	ug/Kg	6/26/2020	07:56
Dimethyl phthalate	< 291	ug/Kg	6/26/2020	07:56
Di-n-butyl phthalate	< 291	ug/Kg	6/26/2020	07:56
Di-n-octylphthalate	< 291	ug/Kg	6/26/2020	07:56
Fluoranthene	< 291	ug/Kg	6/26/2020	07:56
Fluorene	< 291	ug/Kg	6/26/2020	07:56
Hexachlorobenzene	< 291	ug/Kg	6/26/2020	07:56
Hexachlorobutadiene	< 291	ug/Kg	6/26/2020	07:56
Hexachlorocyclopentadiene	< 1170	ug/Kg	6/26/2020	07:56
Hexachloroethane	< 291	ug/Kg	6/26/2020	07:56
Indeno (1,2,3-cd) pyrene	< 291	ug/Kg	6/26/2020	07:56
Isophorone	< 291	ug/Kg	6/26/2020	07:56
Naphthalene	< 291	ug/Kg	6/26/2020	07:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-0.5-2 FT		
Lab Sample ID:	202831-05	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Nitrobenzene	< 291	ug/Kg			6/26/2020 07:56
N-Nitroso-di-n-propylamine	< 291	ug/Kg			6/26/2020 07:56
N-Nitrosodiphenylamine	< 291	ug/Kg			6/26/2020 07:56
Pentachlorophenol	< 583	ug/Kg			6/26/2020 07:56
Phenanthrene	< 291	ug/Kg			6/26/2020 07:56
Phenol	< 291	ug/Kg			6/26/2020 07:56
Pyrene	< 291	ug/Kg			6/26/2020 07:56

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
2,4,6-Tribromophenol	**76.6**	39 - 88.1		6/26/2020 07:56
2-Fluorobiphenyl	**78.5**	42.5 - 81.1		6/26/2020 07:56
2-Fluorophenol	**71.9**	39.8 - 77.3		6/26/2020 07:56
Nitrobenzene-d5	**78.5**	40.1 - 77.1	*	6/26/2020 07:56
Phenol-d5	**68.9**	41.7 - 76.6		6/26/2020 07:56
Terphenyl-d14	**81.5**	41.6 - 96.8		6/26/2020 07:56

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 6/25/2020
Data File: B47476.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-18-19 FT		
Lab Sample ID:	202831-06	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.94	ug/Kg		6/29/2020 21:57
1,1,2,2-Tetrachloroethane	< 7.94	ug/Kg		6/29/2020 21:57
1,1,2-Trichloroethane	< 7.94	ug/Kg		6/29/2020 21:57
1,1-Dichloroethane	< 7.94	ug/Kg		6/29/2020 21:57
1,1-Dichloroethene	< 7.94	ug/Kg		6/29/2020 21:57
1,2,3-Trichlorobenzene	< 19.8	ug/Kg		6/29/2020 21:57
1,2,4-Trichlorobenzene	< 19.8	ug/Kg		6/29/2020 21:57
1,2,4-Trimethylbenzene	< 7.94	ug/Kg		6/29/2020 21:57
1,2-Dibromo-3-Chloropropane	< 39.7	ug/Kg		6/29/2020 21:57
1,2-Dibromoethane	< 7.94	ug/Kg		6/29/2020 21:57
1,2-Dichlorobenzene	< 7.94	ug/Kg		6/29/2020 21:57
1,2-Dichloroethane	< 7.94	ug/Kg		6/29/2020 21:57
1,2-Dichloropropane	< 7.94	ug/Kg		6/29/2020 21:57
1,3,5-Trimethylbenzene	< 7.94	ug/Kg		6/29/2020 21:57
1,3-Dichlorobenzene	< 7.94	ug/Kg		6/29/2020 21:57
1,4-Dichlorobenzene	< 7.94	ug/Kg		6/29/2020 21:57
1,4-Dioxane	< 79.4	ug/Kg		6/29/2020 21:57
2-Butanone	< 39.7	ug/Kg		6/29/2020 21:57
2-Hexanone	< 19.8	ug/Kg		6/29/2020 21:57
4-Methyl-2-pentanone	< 19.8	ug/Kg		6/29/2020 21:57
Acetone	< 39.7	ug/Kg		6/29/2020 21:57
Benzene	< 7.94	ug/Kg		6/29/2020 21:57
Bromochloromethane	< 19.8	ug/Kg		6/29/2020 21:57
Bromodichloromethane	< 7.94	ug/Kg		6/29/2020 21:57
Bromoform	< 19.8	ug/Kg		6/29/2020 21:57
Bromomethane	< 7.94	ug/Kg		6/29/2020 21:57
Carbon disulfide	< 7.94	ug/Kg		6/29/2020 21:57
Carbon Tetrachloride	< 7.94	ug/Kg		6/29/2020 21:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-18-19 FT		
Lab Sample ID:	202831-06	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Chlorobenzene	< 7.94	ug/Kg	6/29/2020	21:57
Chloroethane	< 7.94	ug/Kg	6/29/2020	21:57
Chloroform	< 7.94	ug/Kg	6/29/2020	21:57
Chloromethane	< 7.94	ug/Kg	6/29/2020	21:57
cis-1,2-Dichloroethene	< 7.94	ug/Kg	6/29/2020	21:57
cis-1,3-Dichloropropene	< 7.94	ug/Kg	6/29/2020	21:57
Cyclohexane	< 39.7	ug/Kg	6/29/2020	21:57
Dibromochloromethane	< 7.94	ug/Kg	6/29/2020	21:57
Dichlorodifluoromethane	< 7.94	ug/Kg	6/29/2020	21:57
Ethylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
Freon 113	< 7.94	ug/Kg	6/29/2020	21:57
Isopropylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
m,p-Xylene	< 7.94	ug/Kg	6/29/2020	21:57
Methyl acetate	< 7.94	ug/Kg	6/29/2020	21:57
Methyl tert-butyl Ether	< 7.94	ug/Kg	6/29/2020	21:57
Methylcyclohexane	< 7.94	ug/Kg	6/29/2020	21:57
Methylene chloride	< 19.8	ug/Kg	6/29/2020	21:57
Naphthalene	< 19.8	ug/Kg	6/29/2020	21:57
n-Butylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
n-Propylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
o-Xylene	< 7.94	ug/Kg	6/29/2020	21:57
p-Isopropyltoluene	< 7.94	ug/Kg	6/29/2020	21:57
sec-Butylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
Styrene	< 19.8	ug/Kg	6/29/2020	21:57
tert-Butylbenzene	< 7.94	ug/Kg	6/29/2020	21:57
Tetrachloroethene	< 7.94	ug/Kg	6/29/2020	21:57
Toluene	< 7.94	ug/Kg	6/29/2020	21:57
trans-1,2-Dichloroethene	< 7.94	ug/Kg	6/29/2020	21:57
trans-1,3-Dichloropropene	< 7.94	ug/Kg	6/29/2020	21:57
Trichloroethene	< 7.94	ug/Kg	6/29/2020	21:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH3-18-19 FT		
Lab Sample ID:	202831-06	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 7.94	ug/Kg			6/29/2020	21:57
Vinyl chloride	< 7.94	ug/Kg			6/29/2020	21:57

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**95.5**	80.8 - 134		6/29/2020	21:57
4-Bromofluorobenzene	**76.2**	54.9 - 132		6/29/2020	21:57
Pentafluorobenzene	**104**	85.8 - 114		6/29/2020	21:57
Toluene-D8	**93.5**	81 - 117		6/29/2020	21:57

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x71367.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-0.5-2 FT		
Lab Sample ID:	202831-07	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**4.58**	mg/Kg		6/30/2020 21:14
Barium	**90.9**	mg/Kg		6/30/2020 21:14
Beryllium	< 0.253	mg/Kg		6/30/2020 21:14
Cadmium	**0.346**	mg/Kg		6/30/2020 21:14
Chromium	**11.0**	mg/Kg		6/30/2020 21:14
Copper	**102**	mg/Kg		6/30/2020 21:14
Lead	**173**	mg/Kg		6/30/2020 21:14
Manganese	**162**	mg/Kg		6/30/2020 21:14
Nickel	**8.76**	mg/Kg		6/30/2020 21:14
Selenium	**2.94**	mg/Kg		6/30/2020 21:14
Silver	< 0.506	mg/Kg		6/30/2020 21:14
Zinc	**82.6**	mg/Kg		6/30/2020 21:14

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 6/26/2020
Data File: 200630B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0759**	mg/Kg		6/30/2020 10:35

Method Reference(s): EPA 7471B
Preparation Date: 6/29/2020
Data File: Hg200630B

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 286	ug/Kg		6/26/2020 08:26
1,2,4,5-Tetrachlorobenzene	< 286	ug/Kg		6/26/2020 08:26
1,2,4-Trichlorobenzene	< 286	ug/Kg		6/26/2020 08:26
1,2-Dichlorobenzene	< 286	ug/Kg		6/26/2020 08:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-0.5-2 FT		
Lab Sample ID:	202831-07	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

1,3-Dichlorobenzene	< 286	ug/Kg	6/26/2020	08:26
1,4-Dichlorobenzene	< 286	ug/Kg	6/26/2020	08:26
2,2-Oxybis (1-chloropropane)	< 286	ug/Kg	6/26/2020	08:26
2,3,4,6-Tetrachlorophenol	< 286	ug/Kg	6/26/2020	08:26
2,4,5-Trichlorophenol	< 286	ug/Kg	6/26/2020	08:26
2,4,6-Trichlorophenol	< 286	ug/Kg	6/26/2020	08:26
2,4-Dichlorophenol	< 286	ug/Kg	6/26/2020	08:26
2,4-Dimethylphenol	< 286	ug/Kg	6/26/2020	08:26
2,4-Dinitrophenol	< 1150	ug/Kg	6/26/2020	08:26
2,4-Dinitrotoluene	< 286	ug/Kg	6/26/2020	08:26
2,6-Dinitrotoluene	< 286	ug/Kg	6/26/2020	08:26
2-Chloronaphthalene	< 286	ug/Kg	6/26/2020	08:26
2-Chlorophenol	< 286	ug/Kg	6/26/2020	08:26
2-Methylnapthalene	< 286	ug/Kg	6/26/2020	08:26
2-Methylphenol	< 286	ug/Kg	6/26/2020	08:26
2-Nitroaniline	< 286	ug/Kg	6/26/2020	08:26
2-Nitrophenol	< 286	ug/Kg	6/26/2020	08:26
3&4-Methylphenol	< 286	ug/Kg	6/26/2020	08:26
3,3'-Dichlorobenzidine	< 286	ug/Kg	6/26/2020	08:26
3-Nitroaniline	< 286	ug/Kg	6/26/2020	08:26
4,6-Dinitro-2-methylphenol	< 383	ug/Kg	6/26/2020	08:26
4-Bromophenyl phenyl ether	< 286	ug/Kg	6/26/2020	08:26
4-Chloro-3-methylphenol	< 286	ug/Kg	6/26/2020	08:26
4-Chloroaniline	< 286	ug/Kg	6/26/2020	08:26
4-Chlorophenyl phenyl ether	< 286	ug/Kg	6/26/2020	08:26
4-Nitroaniline	< 286	ug/Kg	6/26/2020	08:26
4-Nitrophenol	< 286	ug/Kg	6/26/2020	08:26
Acenaphthene	< 286	ug/Kg	6/26/2020	08:26
Acenaphthylene	< 286	ug/Kg	6/26/2020	08:26
Acetophenone	< 286	ug/Kg	6/26/2020	08:26

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-0.5-2 FT		
Lab Sample ID:	202831-07	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Anthracene	< 286	ug/Kg	6/26/2020	08:26
Atrazine	< 286	ug/Kg	6/26/2020	08:26
Benzaldehyde	< 286	ug/Kg	6/26/2020	08:26
Benzo (a) anthracene	< 286	ug/Kg	6/26/2020	08:26
Benzo (a) pyrene	< 286	ug/Kg	6/26/2020	08:26
Benzo (b) fluoranthene	< 286	ug/Kg	6/26/2020	08:26
Benzo (g,h,i) perylene	< 286	ug/Kg	6/26/2020	08:26
Benzo (k) fluoranthene	< 286	ug/Kg	6/26/2020	08:26
Bis (2-chloroethoxy) methane	< 286	ug/Kg	6/26/2020	08:26
Bis (2-chloroethyl) ether	< 286	ug/Kg	6/26/2020	08:26
Bis (2-ethylhexyl) phthalate	< 286	ug/Kg	6/26/2020	08:26
Butylbenzylphthalate	< 286	ug/Kg	6/26/2020	08:26
Caprolactam	< 286	ug/Kg	6/26/2020	08:26
Carbazole	< 286	ug/Kg	6/26/2020	08:26
Chrysene	< 286	ug/Kg	6/26/2020	08:26
Dibenz (a,h) anthracene	< 286	ug/Kg	6/26/2020	08:26
Dibenzofuran	< 286	ug/Kg	6/26/2020	08:26
Diethyl phthalate	< 286	ug/Kg	6/26/2020	08:26
Dimethyl phthalate	< 286	ug/Kg	6/26/2020	08:26
Di-n-butyl phthalate	< 286	ug/Kg	6/26/2020	08:26
Di-n-octylphthalate	< 286	ug/Kg	6/26/2020	08:26
Fluoranthene	< 286	ug/Kg	6/26/2020	08:26
Fluorene	< 286	ug/Kg	6/26/2020	08:26
Hexachlorobenzene	< 286	ug/Kg	6/26/2020	08:26
Hexachlorobutadiene	< 286	ug/Kg	6/26/2020	08:26
Hexachlorocyclopentadiene	< 1150	ug/Kg	6/26/2020	08:26
Hexachloroethane	< 286	ug/Kg	6/26/2020	08:26
Indeno (1,2,3-cd) pyrene	< 286	ug/Kg	6/26/2020	08:26
Isophorone	< 286	ug/Kg	6/26/2020	08:26
Naphthalene	< 286	ug/Kg	6/26/2020	08:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-0.5-2 FT		
Lab Sample ID:	202831-07	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Nitrobenzene	< 286	ug/Kg		6/26/2020 08:26
N-Nitroso-di-n-propylamine	< 286	ug/Kg		6/26/2020 08:26
N-Nitrosodiphenylamine	< 286	ug/Kg		6/26/2020 08:26
Pentachlorophenol	< 573	ug/Kg		6/26/2020 08:26
Phenanthrene	< 286	ug/Kg		6/26/2020 08:26
Phenol	< 286	ug/Kg		6/26/2020 08:26
Pyrene	< 286	ug/Kg		6/26/2020 08:26

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
2,4,6-Tribromophenol	**70.8**	39 - 88.1		6/26/2020 08:26
2-Fluorobiphenyl	**75.2**	42.5 - 81.1		6/26/2020 08:26
2-Fluorophenol	**69.1**	39.8 - 77.3		6/26/2020 08:26
Nitrobenzene-d5	**75.5**	40.1 - 77.1		6/26/2020 08:26
Phenol-d5	**66.3**	41.7 - 76.6		6/26/2020 08:26
Terphenyl-d14	**74.7**	41.6 - 96.8		6/26/2020 08:26

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 6/25/2020
Data File: B47477.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-18-20 FT		
Lab Sample ID:	202831-08	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 11.9	ug/Kg		6/29/2020 22:20
1,1,2,2-Tetrachloroethane	< 11.9	ug/Kg		6/29/2020 22:20
1,1,2-Trichloroethane	< 11.9	ug/Kg		6/29/2020 22:20
1,1-Dichloroethane	< 11.9	ug/Kg		6/29/2020 22:20
1,1-Dichloroethene	< 11.9	ug/Kg		6/29/2020 22:20
1,2,3-Trichlorobenzene	< 29.8	ug/Kg		6/29/2020 22:20
1,2,4-Trichlorobenzene	< 29.8	ug/Kg		6/29/2020 22:20
1,2,4-Trimethylbenzene	< 11.9	ug/Kg		6/29/2020 22:20
1,2-Dibromo-3-Chloropropane	< 59.5	ug/Kg		6/29/2020 22:20
1,2-Dibromoethane	< 11.9	ug/Kg		6/29/2020 22:20
1,2-Dichlorobenzene	< 11.9	ug/Kg		6/29/2020 22:20
1,2-Dichloroethane	< 11.9	ug/Kg		6/29/2020 22:20
1,2-Dichloropropane	< 11.9	ug/Kg		6/29/2020 22:20
1,3,5-Trimethylbenzene	< 11.9	ug/Kg		6/29/2020 22:20
1,3-Dichlorobenzene	< 11.9	ug/Kg		6/29/2020 22:20
1,4-Dichlorobenzene	< 11.9	ug/Kg		6/29/2020 22:20
1,4-Dioxane	< 119	ug/Kg		6/29/2020 22:20
2-Butanone	< 59.5	ug/Kg		6/29/2020 22:20
2-Hexanone	< 29.8	ug/Kg		6/29/2020 22:20
4-Methyl-2-pentanone	< 29.8	ug/Kg		6/29/2020 22:20
Acetone	< 59.5	ug/Kg		6/29/2020 22:20
Benzene	< 11.9	ug/Kg		6/29/2020 22:20
Bromochloromethane	< 29.8	ug/Kg		6/29/2020 22:20
Bromodichloromethane	< 11.9	ug/Kg		6/29/2020 22:20
Bromoform	< 29.8	ug/Kg		6/29/2020 22:20
Bromomethane	< 11.9	ug/Kg		6/29/2020 22:20
Carbon disulfide	< 11.9	ug/Kg		6/29/2020 22:20
Carbon Tetrachloride	< 11.9	ug/Kg		6/29/2020 22:20

Sample Identifier:	BH4-18-20 FT		
Lab Sample ID:	202831-08	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Chlorobenzene	< 11.9	ug/Kg	6/29/2020	22:20
Chloroethane	< 11.9	ug/Kg	6/29/2020	22:20
Chloroform	< 11.9	ug/Kg	6/29/2020	22:20
Chloromethane	< 11.9	ug/Kg	6/29/2020	22:20
cis-1,2-Dichloroethene	< 11.9	ug/Kg	6/29/2020	22:20
cis-1,3-Dichloropropene	< 11.9	ug/Kg	6/29/2020	22:20
Cyclohexane	< 59.5	ug/Kg	6/29/2020	22:20
Dibromochloromethane	< 11.9	ug/Kg	6/29/2020	22:20
Dichlorodifluoromethane	< 11.9	ug/Kg	6/29/2020	22:20
Ethylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
Freon 113	< 11.9	ug/Kg	6/29/2020	22:20
Isopropylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
m,p-Xylene	< 11.9	ug/Kg	6/29/2020	22:20
Methyl acetate	< 11.9	ug/Kg	6/29/2020	22:20
Methyl tert-butyl Ether	< 11.9	ug/Kg	6/29/2020	22:20
Methylcyclohexane	< 11.9	ug/Kg	6/29/2020	22:20
Methylene chloride	< 29.8	ug/Kg	6/29/2020	22:20
Naphthalene	< 29.8	ug/Kg	6/29/2020	22:20
n-Butylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
n-Propylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
o-Xylene	< 11.9	ug/Kg	6/29/2020	22:20
p-Isopropyltoluene	< 11.9	ug/Kg	6/29/2020	22:20
sec-Butylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
Styrene	< 29.8	ug/Kg	6/29/2020	22:20
tert-Butylbenzene	< 11.9	ug/Kg	6/29/2020	22:20
Tetrachloroethene	< 11.9	ug/Kg	6/29/2020	22:20
Toluene	< 11.9	ug/Kg	6/29/2020	22:20
trans-1,2-Dichloroethene	< 11.9	ug/Kg	6/29/2020	22:20
trans-1,3-Dichloropropene	< 11.9	ug/Kg	6/29/2020	22:20
Trichloroethene	< 11.9	ug/Kg	6/29/2020	22:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH4-18-20 FT		
Lab Sample ID:	202831-08	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 11.9	ug/Kg			6/29/2020	22:20
Vinyl chloride	< 11.9	ug/Kg			6/29/2020	22:20
Surrogate	**Percent Recovery**		**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**97.4**		80.8 - 134		6/29/2020	22:20
4-Bromofluorobenzene	**119**		54.9 - 132		6/29/2020	22:20
Pentafluorobenzene	**102**		85.8 - 114		6/29/2020	22:20
Toluene-D8	**91.7**		81 - 117		6/29/2020	22:20

Reporting limit elevated due to non-target compounds

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x71368.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-0-3 FT		
Lab Sample ID:	202831-09	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**90.2**	mg/Kg		6/30/2020 21:19
Barium	**44.2**	mg/Kg		6/30/2020 21:19
Beryllium	< 0.256	mg/Kg		6/30/2020 21:19
Cadmium	**0.440**	mg/Kg		6/30/2020 21:19
Chromium	**12.3**	mg/Kg		6/30/2020 21:19
Copper	**14.1**	mg/Kg		6/30/2020 21:19
Lead	**29.3**	mg/Kg		6/30/2020 21:19
Manganese	**223**	mg/Kg		6/30/2020 21:19
Nickel	**8.76**	mg/Kg		6/30/2020 21:19
Selenium	**2.89**	mg/Kg		6/30/2020 21:19
Silver	< 0.512	mg/Kg		6/30/2020 21:19
Zinc	**173**	mg/Kg		6/30/2020 21:19

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 6/26/2020
Data File: 200630B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.169**	mg/Kg		6/30/2020 10:37

Method Reference(s): EPA 7471B
Preparation Date: 6/29/2020
Data File: Hg200630B

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 296	ug/Kg		6/26/2020 08:56
1,2,4,5-Tetrachlorobenzene	< 296	ug/Kg		6/26/2020 08:56
1,2,4-Trichlorobenzene	< 296	ug/Kg		6/26/2020 08:56
1,2-Dichlorobenzene	< 296	ug/Kg		6/26/2020 08:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-0-3 FT		
Lab Sample ID:	202831-09	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

1,3-Dichlorobenzene	< 296	ug/Kg	6/26/2020	08:56
1,4-Dichlorobenzene	< 296	ug/Kg	6/26/2020	08:56
2,2-Oxybis (1-chloropropane)	< 296	ug/Kg	6/26/2020	08:56
2,3,4,6-Tetrachlorophenol	< 296	ug/Kg	6/26/2020	08:56
2,4,5-Trichlorophenol	< 296	ug/Kg	6/26/2020	08:56
2,4,6-Trichlorophenol	< 296	ug/Kg	6/26/2020	08:56
2,4-Dichlorophenol	< 296	ug/Kg	6/26/2020	08:56
2,4-Dimethylphenol	< 296	ug/Kg	6/26/2020	08:56
2,4-Dinitrophenol	< 1190	ug/Kg	6/26/2020	08:56
2,4-Dinitrotoluene	< 296	ug/Kg	6/26/2020	08:56
2,6-Dinitrotoluene	< 296	ug/Kg	6/26/2020	08:56
2-Chloronaphthalene	< 296	ug/Kg	6/26/2020	08:56
2-Chlorophenol	< 296	ug/Kg	6/26/2020	08:56
2-Methylnapthalene	< 296	ug/Kg	6/26/2020	08:56
2-Methylphenol	< 296	ug/Kg	6/26/2020	08:56
2-Nitroaniline	< 296	ug/Kg	6/26/2020	08:56
2-Nitrophenol	< 296	ug/Kg	6/26/2020	08:56
3&4-Methylphenol	< 296	ug/Kg	6/26/2020	08:56
3,3'-Dichlorobenzidine	< 296	ug/Kg	6/26/2020	08:56
3-Nitroaniline	< 296	ug/Kg	6/26/2020	08:56
4,6-Dinitro-2-methylphenol	< 397	ug/Kg	6/26/2020	08:56
4-Bromophenyl phenyl ether	< 296	ug/Kg	6/26/2020	08:56
4-Chloro-3-methylphenol	< 296	ug/Kg	6/26/2020	08:56
4-Chloroaniline	< 296	ug/Kg	6/26/2020	08:56
4-Chlorophenyl phenyl ether	< 296	ug/Kg	6/26/2020	08:56
4-Nitroaniline	< 296	ug/Kg	6/26/2020	08:56
4-Nitrophenol	< 296	ug/Kg	6/26/2020	08:56
Acenaphthene	< 296	ug/Kg	6/26/2020	08:56
Acenaphthylene	< 296	ug/Kg	6/26/2020	08:56
Acetophenone	< 296	ug/Kg	6/26/2020	08:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-0-3 FT		
Lab Sample ID:	202831-09	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Anthracene	< 296	ug/Kg	6/26/2020	08:56
Atrazine	< 296	ug/Kg	6/26/2020	08:56
Benzaldehyde	< 296	ug/Kg	6/26/2020	08:56
Benzo (a) anthracene	< 296	ug/Kg	6/26/2020	08:56
Benzo (a) pyrene	< 296	ug/Kg	6/26/2020	08:56
Benzo (b) fluoranthene	< 296	ug/Kg	6/26/2020	08:56
Benzo (g,h,i) perylene	< 296	ug/Kg	6/26/2020	08:56
Benzo (k) fluoranthene	< 296	ug/Kg	6/26/2020	08:56
Bis (2-chloroethoxy) methane	< 296	ug/Kg	6/26/2020	08:56
Bis (2-chloroethyl) ether	< 296	ug/Kg	6/26/2020	08:56
Bis (2-ethylhexyl) phthalate	< 296	ug/Kg	6/26/2020	08:56
Butylbenzylphthalate	< 296	ug/Kg	6/26/2020	08:56
Caprolactam	< 296	ug/Kg	6/26/2020	08:56
Carbazole	< 296	ug/Kg	6/26/2020	08:56
Chrysene	< 296	ug/Kg	6/26/2020	08:56
Dibenz (a,h) anthracene	< 296	ug/Kg	6/26/2020	08:56
Dibenzofuran	< 296	ug/Kg	6/26/2020	08:56
Diethyl phthalate	< 296	ug/Kg	6/26/2020	08:56
Dimethyl phthalate	< 296	ug/Kg	6/26/2020	08:56
Di-n-butyl phthalate	< 296	ug/Kg	6/26/2020	08:56
Di-n-octylphthalate	< 296	ug/Kg	6/26/2020	08:56
Fluoranthene	< 296	ug/Kg	6/26/2020	08:56
Fluorene	< 296	ug/Kg	6/26/2020	08:56
Hexachlorobenzene	< 296	ug/Kg	6/26/2020	08:56
Hexachlorobutadiene	< 296	ug/Kg	6/26/2020	08:56
Hexachlorocyclopentadiene	< 1190	ug/Kg	6/26/2020	08:56
Hexachloroethane	< 296	ug/Kg	6/26/2020	08:56
Indeno (1,2,3-cd) pyrene	< 296	ug/Kg	6/26/2020	08:56
Isophorone	< 296	ug/Kg	6/26/2020	08:56
Naphthalene	< 296	ug/Kg	6/26/2020	08:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-0-3 FT		
Lab Sample ID:	202831-09	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Nitrobenzene	< 296	ug/Kg		6/26/2020 08:56
N-Nitroso-di-n-propylamine	< 296	ug/Kg		6/26/2020 08:56
N-Nitrosodiphenylamine	< 296	ug/Kg		6/26/2020 08:56
Pentachlorophenol	< 593	ug/Kg		6/26/2020 08:56
Phenanthrene	< 296	ug/Kg		6/26/2020 08:56
Phenol	< 296	ug/Kg		6/26/2020 08:56
Pyrene	< 296	ug/Kg		6/26/2020 08:56

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
2,4,6-Tribromophenol	**75.0**	39 - 88.1		6/26/2020 08:56
2-Fluorobiphenyl	**76.1**	42.5 - 81.1		6/26/2020 08:56
2-Fluorophenol	**68.5**	39.8 - 77.3		6/26/2020 08:56
Nitrobenzene-d5	**74.8**	40.1 - 77.1		6/26/2020 08:56
Phenol-d5	**67.8**	41.7 - 76.6		6/26/2020 08:56
Terphenyl-d14	**79.0**	41.6 - 96.8		6/26/2020 08:56

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 6/25/2020
Data File: B47478.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-17-19 FT		
Lab Sample ID:	202831-10	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.19	ug/Kg		6/29/2020 22:42
1,1,2,2-Tetrachloroethane	< 7.19	ug/Kg		6/29/2020 22:42
1,1,2-Trichloroethane	< 7.19	ug/Kg		6/29/2020 22:42
1,1-Dichloroethane	< 7.19	ug/Kg		6/29/2020 22:42
1,1-Dichloroethene	< 7.19	ug/Kg		6/29/2020 22:42
1,2,3-Trichlorobenzene	< 18.0	ug/Kg		6/29/2020 22:42
1,2,4-Trichlorobenzene	< 18.0	ug/Kg		6/29/2020 22:42
1,2,4-Trimethylbenzene	< 7.19	ug/Kg		6/29/2020 22:42
1,2-Dibromo-3-Chloropropane	< 36.0	ug/Kg		6/29/2020 22:42
1,2-Dibromoethane	< 7.19	ug/Kg		6/29/2020 22:42
1,2-Dichlorobenzene	< 7.19	ug/Kg		6/29/2020 22:42
1,2-Dichloroethane	< 7.19	ug/Kg		6/29/2020 22:42
1,2-Dichloropropane	< 7.19	ug/Kg		6/29/2020 22:42
1,3,5-Trimethylbenzene	< 7.19	ug/Kg		6/29/2020 22:42
1,3-Dichlorobenzene	< 7.19	ug/Kg		6/29/2020 22:42
1,4-Dichlorobenzene	< 7.19	ug/Kg		6/29/2020 22:42
1,4-Dioxane	< 71.9	ug/Kg		6/29/2020 22:42
2-Butanone	< 36.0	ug/Kg		6/29/2020 22:42
2-Hexanone	< 18.0	ug/Kg		6/29/2020 22:42
4-Methyl-2-pentanone	< 18.0	ug/Kg		6/29/2020 22:42
Acetone	< 36.0	ug/Kg		6/29/2020 22:42
Benzene	< 7.19	ug/Kg		6/29/2020 22:42
Bromochloromethane	< 18.0	ug/Kg		6/29/2020 22:42
Bromodichloromethane	< 7.19	ug/Kg		6/29/2020 22:42
Bromoform	< 18.0	ug/Kg		6/29/2020 22:42
Bromomethane	< 7.19	ug/Kg		6/29/2020 22:42
Carbon disulfide	< 7.19	ug/Kg		6/29/2020 22:42
Carbon Tetrachloride	< 7.19	ug/Kg		6/29/2020 22:42

Sample Identifier:	BH5-17-19 FT		
Lab Sample ID:	202831-10	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Chlorobenzene	< 7.19	ug/Kg	6/29/2020	22:42
Chloroethane	< 7.19	ug/Kg	6/29/2020	22:42
Chloroform	< 7.19	ug/Kg	6/29/2020	22:42
Chloromethane	< 7.19	ug/Kg	6/29/2020	22:42
cis-1,2-Dichloroethene	< 7.19	ug/Kg	6/29/2020	22:42
cis-1,3-Dichloropropene	< 7.19	ug/Kg	6/29/2020	22:42
Cyclohexane	< 36.0	ug/Kg	6/29/2020	22:42
Dibromochloromethane	< 7.19	ug/Kg	6/29/2020	22:42
Dichlorodifluoromethane	< 7.19	ug/Kg	6/29/2020	22:42
Ethylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
Freon 113	< 7.19	ug/Kg	6/29/2020	22:42
Isopropylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
m,p-Xylene	< 7.19	ug/Kg	6/29/2020	22:42
Methyl acetate	< 7.19	ug/Kg	6/29/2020	22:42
Methyl tert-butyl Ether	< 7.19	ug/Kg	6/29/2020	22:42
Methylcyclohexane	< 7.19	ug/Kg	6/29/2020	22:42
Methylene chloride	< 18.0	ug/Kg	6/29/2020	22:42
Naphthalene	< 18.0	ug/Kg	6/29/2020	22:42
n-Butylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
n-Propylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
o-Xylene	< 7.19	ug/Kg	6/29/2020	22:42
p-Isopropyltoluene	< 7.19	ug/Kg	6/29/2020	22:42
sec-Butylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
Styrene	< 18.0	ug/Kg	6/29/2020	22:42
tert-Butylbenzene	< 7.19	ug/Kg	6/29/2020	22:42
Tetrachloroethene	< 7.19	ug/Kg	6/29/2020	22:42
Toluene	< 7.19	ug/Kg	6/29/2020	22:42
trans-1,2-Dichloroethene	< 7.19	ug/Kg	6/29/2020	22:42
trans-1,3-Dichloropropene	< 7.19	ug/Kg	6/29/2020	22:42
Trichloroethene	< 7.19	ug/Kg	6/29/2020	22:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH5-17-19 FT		
Lab Sample ID:	202831-10	**Date Sampled:**	6/19/2020
Matrix:	Soil	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 7.19	ug/Kg			6/29/2020	22:42
Vinyl chloride	< 7.19	ug/Kg			6/29/2020	22:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**92.0**	80.8 - 134		6/29/2020	22:42
4-Bromofluorobenzene	**108**	54.9 - 132		6/29/2020	22:42
Pentafluorobenzene	**104**	85.8 - 114		6/29/2020	22:42
Toluene-D8	**109**	81 - 117		6/29/2020	22:42

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x71369.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-3 Water		
Lab Sample ID:	202831-11	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		6/29/2020 19:42
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		6/29/2020 19:42
1,1,2-Trichloroethane	< 2.00	ug/L		6/29/2020 19:42
1,1-Dichloroethane	< 2.00	ug/L		6/29/2020 19:42
1,1-Dichloroethene	< 2.00	ug/L		6/29/2020 19:42
1,2,3-Trichlorobenzene	< 5.00	ug/L		6/29/2020 19:42
1,2,4-Trichlorobenzene	< 5.00	ug/L		6/29/2020 19:42
1,2,4-Trimethylbenzene	< 2.00	ug/L		6/29/2020 19:42
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		6/29/2020 19:42
1,2-Dibromoethane	< 2.00	ug/L		6/29/2020 19:42
1,2-Dichlorobenzene	< 2.00	ug/L		6/29/2020 19:42
1,2-Dichloroethane	< 2.00	ug/L		6/29/2020 19:42
1,2-Dichloropropane	< 2.00	ug/L		6/29/2020 19:42
1,3,5-Trimethylbenzene	< 2.00	ug/L		6/29/2020 19:42
1,3-Dichlorobenzene	< 2.00	ug/L		6/29/2020 19:42
1,4-Dichlorobenzene	< 2.00	ug/L		6/29/2020 19:42
1,4-Dioxane	< 20.0	ug/L		6/29/2020 19:42
2-Butanone	< 10.0	ug/L		6/29/2020 19:42
2-Hexanone	< 5.00	ug/L		6/29/2020 19:42
4-Methyl-2-pentanone	< 5.00	ug/L		6/29/2020 19:42
Acetone	< 10.0	ug/L		6/29/2020 19:42
Benzene	< 1.00	ug/L		6/29/2020 19:42
Bromochloromethane	< 5.00	ug/L		6/29/2020 19:42
Bromodichloromethane	< 2.00	ug/L		6/29/2020 19:42
Bromoform	< 5.00	ug/L		6/29/2020 19:42
Bromomethane	< 2.00	ug/L		6/29/2020 19:42
Carbon disulfide	< 2.00	ug/L		6/29/2020 19:42
Carbon Tetrachloride	< 2.00	ug/L		6/29/2020 19:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-3 Water		
Lab Sample ID:	202831-11	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Chlorobenzene	< 2.00	ug/L	6/29/2020	19:42
Chloroethane	< 2.00	ug/L	6/29/2020	19:42
Chloroform	< 2.00	ug/L	6/29/2020	19:42
Chloromethane	< 2.00	ug/L	6/29/2020	19:42
cis-1,2-Dichloroethene	< 2.00	ug/L	6/29/2020	19:42
cis-1,3-Dichloropropene	< 2.00	ug/L	6/29/2020	19:42
Cyclohexane	< 10.0	ug/L	6/29/2020	19:42
Dibromochloromethane	< 2.00	ug/L	6/29/2020	19:42
Dichlorodifluoromethane	< 2.00	ug/L	6/29/2020	19:42
Ethylbenzene	< 2.00	ug/L	6/29/2020	19:42
Freon 113	< 2.00	ug/L	6/29/2020	19:42
Isopropylbenzene	< 2.00	ug/L	6/29/2020	19:42
m,p-Xylene	< 2.00	ug/L	6/29/2020	19:42
Methyl acetate	< 2.00	ug/L	6/29/2020	19:42
Methyl tert-butyl Ether	< 2.00	ug/L	6/29/2020	19:42
Methylcyclohexane	< 2.00	ug/L	6/29/2020	19:42
Methylene chloride	< 5.00	ug/L	6/29/2020	19:42
Naphthalene	< 5.00	ug/L	6/29/2020	19:42
n-Butylbenzene	< 2.00	ug/L	6/29/2020	19:42
n-Propylbenzene	< 2.00	ug/L	6/29/2020	19:42
o-Xylene	< 2.00	ug/L	6/29/2020	19:42
p-Isopropyltoluene	< 2.00	ug/L	6/29/2020	19:42
sec-Butylbenzene	< 2.00	ug/L	6/29/2020	19:42
Styrene	< 5.00	ug/L	6/29/2020	19:42
tert-Butylbenzene	< 2.00	ug/L	6/29/2020	19:42
Tetrachloroethene	< 2.00	ug/L	6/29/2020	19:42
Toluene	< 2.00	ug/L	6/29/2020	19:42
trans-1,2-Dichloroethene	< 2.00	ug/L	6/29/2020	19:42
trans-1,3-Dichloropropene	< 2.00	ug/L	6/29/2020	19:42
Trichloroethene	< 2.00	ug/L	6/29/2020	19:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-3 Water		
Lab Sample ID:	202831-11	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 2.00	ug/L			6/29/2020	19:42
Vinyl chloride	< 2.00	ug/L			6/29/2020	19:42

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**97.8**	80.8 - 132		6/29/2020	19:42
4-Bromofluorobenzene	**110**	56.6 - 130		6/29/2020	19:42
Pentafluorobenzene	**102**	87.4 - 113		6/29/2020	19:42
Toluene-D8	**105**	82.2 - 115		6/29/2020	19:42

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x71361.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-4 Water		
Lab Sample ID:	202831-12	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 40.0	ug/L		6/29/2020 19:20
1,1,2,2-Tetrachloroethane	< 40.0	ug/L		6/29/2020 19:20
1,1,2-Trichloroethane	< 40.0	ug/L		6/29/2020 19:20
1,1-Dichloroethane	< 40.0	ug/L		6/29/2020 19:20
1,1-Dichloroethene	< 40.0	ug/L		6/29/2020 19:20
1,2,3-Trichlorobenzene	< 100	ug/L		6/29/2020 19:20
1,2,4-Trichlorobenzene	< 100	ug/L		6/29/2020 19:20
1,2,4-Trimethylbenzene	**270**	ug/L		6/29/2020 19:20
1,2-Dibromo-3-Chloropropane	< 200	ug/L		6/29/2020 19:20
1,2-Dibromoethane	< 40.0	ug/L		6/29/2020 19:20
1,2-Dichlorobenzene	< 40.0	ug/L		6/29/2020 19:20
1,2-Dichloroethane	< 40.0	ug/L		6/29/2020 19:20
1,2-Dichloropropane	< 40.0	ug/L		6/29/2020 19:20
1,3,5-Trimethylbenzene	**82.8**	ug/L		6/29/2020 19:20
1,3-Dichlorobenzene	< 40.0	ug/L		6/29/2020 19:20
1,4-Dichlorobenzene	< 40.0	ug/L		6/29/2020 19:20
1,4-Dioxane	< 400	ug/L		6/29/2020 19:20
2-Butanone	< 200	ug/L		6/29/2020 19:20
2-Hexanone	< 100	ug/L		6/29/2020 19:20
4-Methyl-2-pentanone	< 100	ug/L		6/29/2020 19:20
Acetone	< 200	ug/L		6/29/2020 19:20
Benzene	< 20.0	ug/L		6/29/2020 19:20
Bromochloromethane	< 100	ug/L		6/29/2020 19:20
Bromodichloromethane	< 40.0	ug/L		6/29/2020 19:20
Bromoform	< 100	ug/L		6/29/2020 19:20
Bromomethane	< 40.0	ug/L		6/29/2020 19:20
Carbon disulfide	< 40.0	ug/L		6/29/2020 19:20
Carbon Tetrachloride	< 40.0	ug/L		6/29/2020 19:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-4 Water		
Lab Sample ID:	202831-12	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Chlorobenzene	< 40.0	ug/L	6/29/2020	19:20
Chloroethane	< 40.0	ug/L	6/29/2020	19:20
Chloroform	< 40.0	ug/L	6/29/2020	19:20
Chloromethane	< 40.0	ug/L	6/29/2020	19:20
cis-1,2-Dichloroethene	< 40.0	ug/L	6/29/2020	19:20
cis-1,3-Dichloropropene	< 40.0	ug/L	6/29/2020	19:20
Cyclohexane	< 200	ug/L	6/29/2020	19:20
Dibromochloromethane	< 40.0	ug/L	6/29/2020	19:20
Dichlorodifluoromethane	< 40.0	ug/L	6/29/2020	19:20
Ethylbenzene	< 40.0	ug/L	6/29/2020	19:20
Freon 113	< 40.0	ug/L	6/29/2020	19:20
Isopropylbenzene	< 40.0	ug/L	6/29/2020	19:20
m,p-Xylene	< 40.0	ug/L	6/29/2020	19:20
Methyl acetate	< 40.0	ug/L	6/29/2020	19:20
Methyl tert-butyl Ether	< 40.0	ug/L	6/29/2020	19:20
Methylcyclohexane	< 40.0	ug/L	6/29/2020	19:20
Methylene chloride	**159**	ug/L	6/29/2020	19:20
Naphthalene	**399**	ug/L	6/29/2020	19:20
n-Butylbenzene	**117**	ug/L	6/29/2020	19:20
n-Propylbenzene	< 40.0	ug/L	6/29/2020	19:20
o-Xylene	< 40.0	ug/L	6/29/2020	19:20
p-Isopropyltoluene	< 40.0	ug/L	6/29/2020	19:20
sec-Butylbenzene	**49.1**	ug/L	6/29/2020	19:20
Styrene	< 100	ug/L	6/29/2020	19:20
tert-Butylbenzene	< 40.0	ug/L	6/29/2020	19:20
Tetrachloroethene	< 40.0	ug/L	6/29/2020	19:20
Toluene	< 40.0	ug/L	6/29/2020	19:20
trans-1,2-Dichloroethene	< 40.0	ug/L	6/29/2020	19:20
trans-1,3-Dichloropropene	< 40.0	ug/L	6/29/2020	19:20
Trichloroethene	< 40.0	ug/L	6/29/2020	19:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 202831

Client: **BE3**

Project Reference: Hempstead

Sample Identifier:	BH-4 Water		
Lab Sample ID:	202831-12	**Date Sampled:**	6/19/2020
Matrix:	Groundwater	**Date Received:**	6/24/2020

Trichlorofluoromethane	< 40.0	ug/L			6/29/2020	19:20
Vinyl chloride	< 40.0	ug/L			6/29/2020	19:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	80.8 - 132		6/29/2020	19:20
4-Bromofluorobenzene	**121**	56.6 - 130		6/29/2020	19:20
Pentafluorobenzene	**98.1**	87.4 - 113		6/29/2020	19:20
Toluene-D8	**88.1**	82.2 - 115		6/29/2020	19:20

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x71360.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

1 of 3

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
CLIENT:	BE3 CORP	CLIENT:		LAB PROJECT ID: 202831
ADDRESS:	1270 NIAGARA	ADDRESS:		
CITY:	BUFFALO STATE: N.Y. ZIP: 14213	CITY: STATE: ZIP:		Quotation #:
PHONE:	716-308-8220	PHONE:		Email:
ATTN:	PETER GORTON	ATTN:		

PROJECT REFERENCE

HEMPSTEAD

Matrix Codes:

AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	375 METALS	375 SVOCs	375 VOA's + PETROLEUM SCREENING						REMARKS	PARADIGM LAB SAMPLE NUMBER
6-19-20	810		X	BH1 - 0.5 - 4 FT	SO	1	X	X								01
	810			BH1 - 18-19FT					X							02
	850			BH 2 - 0.5 - 3FT			X	X								03
	850			BH 2 - 18-20 FT					X							04
	930			BH 3 - 0.5 - 2FT			X	X								05
	930			BH 3 - 18-19 FT					X							06
	1045			BH 4 - 0.5 - 2FT			X	X								07
	1045			BH 4 - 18-20 FT					X							08
	1120			BH 5 - 17-19 FT					X							09
	1120			BH 5 - 0-3 FT			X	X								10

09 10

GP 6/24/2020

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	X	None Required	X
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other		Other		Other EDD	
please indicate date needed:		please indicate package needed:		please indicate EDD needed:	

PETER J. GORTON 6/19/20 8AM-12
Sampled By — Date/Time

Relinquished By — 6/19/20 4:10
Date/Time

Received By — 06192020 1611
Date/Time

Received @ Lab By — 6/24/2020 12:33
Date/Time

16 °C 6/24/2020 12:30

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

2 of 2

2 of 3

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
CLIENT:	BE3 CORP	CLIENT:		LAB PROJECT ID: 202831
ADDRESS:	1270 N. AGUEN ST	ADDRESS:		
CITY:	BUFFALO STATE: NY ZIP: 14213	CITY:	STATE: ZIP:	Quotation #:
PHONE:	716-308-8220	PHONE:		Email:
ATTN:	P. GORTON	ATTN:		

PROJECT REFERENCE

HEMPSTEAD

Matrix Codes:

AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	VOC's per Solvent & Petroleum	REMARKS	PARADIGM LAB SAMPLE NUMBER
6-19-20	1140		X	BH-3 WATER	WG	2			11
6-19-20	1150		X	BH-4 WATER	WG	2		ODOR	12

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	X	None Required	X	None Required
10 day		Batch QC		Basic EDD
Rush 3 day		Category A		NYSDEC EDD
Rush 2 day		Category B		
Rush 1 day				
Other		Other		Other EDD
please indicate date needed:		please indicate package needed:		please indicate EDD needed:

PETER J. GORTON 6-19-20 1140-1150
Sampled By — Date/Time — Total Cost:

Relinquished By — 6-19-20 410 — Date/Time

Received By — 06192020 1611 — Date/Time — P.I.F.

Received @ Lab By — 6/24/2020 12:33 — Date/Time

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: BE3 Corp **Completed by:** Glenn Pezzulo

Lab Project ID: 202831 **Date:** 6/24/2020

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature		X	X metals
Comments	16°C		
Compliant Sample Quantity/Type	X		
Comments			

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

July 26, 2021 Service Request No:R2106645

Jake Tracy
BE3 Corp
960 Busti Ave
Suite B-150
Buffalo, NY 14213

Laboratory Results for: Hempstead

Dear Jake,

Enclosed are the results of the sample(s) submitted to our laboratory July 01, 2021
For your reference, these analyses have been assigned our service request number **R2106645.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Received:** 07/01/2021
Sample Matrix: Soil, Water, NonAq Liquid

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Nine soil, water, nonaq liquid samples were received for analysis at ALS Environmental on 07/01/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 07/15/2021: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The LCSD was within limits for all analytes. The analytes affected are flagged in the LCS Summary.
Method 8270D, R2106645-003: Sample(s) required dilution due to the dark, oily nature of the extract. The reporting limits are adjusted to reflect the dilution.

Method 8270D, 07/14/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

2,4-Dinitrophenol has been reported as zero percent recovery in the LCS/LCSD due to a limitation in LIMs. 2,4-Dinitrophenol was detected at 32% and 36% recovery, respectively, within laboratory limits. The LCS/LCSD is acceptable and should not be flagged on the summary form.

Pentachlorophenol has been reported as zero percent recovery in the LCS/LCSD due to a limitation in LIMs. Pentachlorophenol was detected at 34% and 42% recovery, respectively, within laboratory limits. The LCS/LCSD is acceptable and should not be flagged on the summary form.

Method 8270D, R2106645-006: Sample(s) required dilution due to the dark oily nature of the extract. The reporting limits are adjusted to reflect the dilution.

Semivoa GC:

Method 8015C: The upper control limit was exceeded for one or more surrogates in one or more samples in this report. The elevated recovery equates to a high bias. Since sample has detected analyte over the method reporting limit, the sample is scheduled for re-extraction.
Method 8015C: The analysis of one or more samples was initially attempted within holding time but was not useable due to an analytical system or QC failure. Efforts were made to reanalyze the sample(s) as soon as possible after the analytical system was back in control. However, the reanalysis of the sample(s) was performed past the recommended holding time. The results from the reanalysis are reported. The data is flagged to indicate the holding time exceedance.

Method 8015C, 732450s: The control limits were exceeded for one or more surrogates due to matrix interferences. A re-extraction and reanalysis was performed, but produced similar results. No further corrective action was required.

Dro has been reported as zero percent recovery in the LCS/LCSD due to a limitation in LIMs. Dro was detected at 85% and 84% recovery, respectively, within laboratory limits. The LCS/LCSD is acceptable and should not be flagged on the summary form. The precision is also outside laboratory control limits.

Approved by _____ Date 07/26/2021

Method 8082A, 07/23/2021: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Volatiles by GC/MS:

Method 8260C, 07/12/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 07/12/2021: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 07/13/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 07/13/2021: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 730820: Analysis was performed on a sample with headspace. Headspace-free sample was not available.

Method 8260C, 07/08/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 730352: Sample(s) required dilution due to the foaming nature of the matrix and/or the presence of non-target compounds at high concentrations. The reporting limits are adjusted to reflect the dilution.

Method 8260C, 07/08/2021: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C: soil samples included in this report were received in jars and not collected using one of the EPA method 5035A low level options. In accordance with the NYSDOH technical notice of October 2012 all results or reporting limits <200 ug/kg should be considered as estimated due to potential low bias.

Approved by  Date 07/26/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: SB-1 0-2ft	Lab ID: R2106645-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	86.5				Percent	ALS SOP
Arsenic, Total	2.9			1.2	mg/Kg	6010C
Barium, Total	28.8			2.3	mg/Kg	6010C
Chromium, Total	7.9			1.2	mg/Kg	6010C
Copper, Total	16.7			2.3	mg/Kg	6010C
Lead, Total	61.5			5.8	mg/Kg	6010C
Manganese, Total	109			2.3	mg/Kg	6010C
Mercury, Total	0.049			0.036	mg/Kg	7471B
Nickel, Total	6.7			4.6	mg/Kg	6010C
Zinc, Total	46.5			2.3	mg/Kg	6010C

CLIENT ID: SB-2 0-2ft	Lab ID: R2106645-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	95.7				Percent	ALS SOP
Arsenic, Total	1.4			1.0	mg/Kg	6010C
Barium, Total	14.4			2.1	mg/Kg	6010C
Chromium, Total	6.8			1.0	mg/Kg	6010C
Copper, Total	16.5			2.1	mg/Kg	6010C
Lead, Total	8.3			5.2	mg/Kg	6010C
Manganese, Total	150			2.1	mg/Kg	6010C
Mercury, Total	0.047			0.032	mg/Kg	7471B
Nickel, Total	9.6			4.2	mg/Kg	6010C
Zinc, Total	15.3			2.1	mg/Kg	6010C

CLIENT ID: SB-4 0-2ft	Lab ID: R2106645-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	90.7				Percent	ALS SOP
Arsenic, Total	3.1			1.1	mg/Kg	6010C
Barium, Total	17.0			2.1	mg/Kg	6010C
Chromium, Total	6.7			1.1	mg/Kg	6010C
Copper, Total	20.0			2.1	mg/Kg	6010C
Manganese, Total	922			2.1	mg/Kg	6010C
Nickel, Total	15.6			4.2	mg/Kg	6010C
Zinc, Total	12.0			2.1	mg/Kg	6010C
Tetrachloroethene (PCE)	19			5.5	ug/Kg	8260C

CLIENT ID: SB-3 0-2ft	Lab ID: R2106645-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	91.5				Percent	ALS SOP
Arsenic, Total	1.4			1.1	mg/Kg	6010C
Barium, Total	20.0			2.1	mg/Kg	6010C
Chromium, Total	98.6			1.1	mg/Kg	6010C
Copper, Total	19.1			2.1	mg/Kg	6010C

SAMPLE DETECTION SUMMARY

CLIENT ID: SB-3 0-2ft	Lab ID: R2106645-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Manganese, Total	189			2.1	mg/Kg	6010C
Nickel, Total	12.1			4.3	mg/Kg	6010C
Zinc, Total	14.1			2.1	mg/Kg	6010C

CLIENT ID: SB-5 0-3ft	Lab ID: R2106645-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Total Solids	83.0				Percent	ALS SOP
Arsenic, Total	8.9			1.1	mg/Kg	6010C
Barium, Total	60.4			2.2	mg/Kg	6010C
Beryllium, Total	0.42			0.33	mg/Kg	6010C
Cadmium, Total	5.68			0.55	mg/Kg	6010C
Chromium, Total	15.5			1.1	mg/Kg	6010C
Copper, Total	4580			66	mg/Kg	6010C
Lead, Total	979			5.5	mg/Kg	6010C
Manganese, Total	306			2.2	mg/Kg	6010C
Mercury, Total	0.830			0.037	mg/Kg	7471B
Zinc, Total	3830			66	mg/Kg	6010C
Acetone	8.6			6.0	ug/Kg	8260C
Trichloroethene (TCE)	58			6.0	ug/Kg	8260C
Benz(a)anthracene	1200			410	ug/Kg	8270D
Benzo(a)pyrene	1400			410	ug/Kg	8270D
Benzo(b)fluoranthene	1700			410	ug/Kg	8270D
Benzo(g,h,i)perylene	820			410	ug/Kg	8270D
Benzo(k)fluoranthene	510			410	ug/Kg	8270D
Chrysene	1200			410	ug/Kg	8270D
Fluoranthene	2500			410	ug/Kg	8270D
Indeno(1,2,3-cd)pyrene	1000			410	ug/Kg	8270D
Phenanthrene	690			410	ug/Kg	8270D
Pyrene	2300			410	ug/Kg	8270D

CLIENT ID: SB-4 5-10	Lab ID: R2106645-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Ethylbenzene	27000			25000	ug/Kg	8260C
Toluene	31000			25000	ug/Kg	8260C
m,p-Xylenes	120000			25000	ug/Kg	8260C
o-Xylene	39000			25000	ug/Kg	8260C
2-Methylnaphthalene	750000			510000	ug/Kg	8270D
Diesel Range Organics (DRO) as C10-C28 Alkanes	280000000			9900000	ug/Kg	8015C
Gasoline	Absence				mg/Kg	NY 310-13 Modified
Lube Oil	Absence				mg/Kg	NY 310-13 Modified
n-Dodecane	203000			40000	mg/Kg	NY 310-13 Modified

SAMPLE DETECTION SUMMARY

CLIENT ID: BB-5			Lab ID: R2106645-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	20			5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: BE3 **Service Request:**R2106645
Project: Hempstead

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2106645-001	SB-1 0-2ft	6/30/2021	0945
R2106645-002	SB-2 0-2ft	6/30/2021	1127
R2106645-003	SB-4 0-2ft	6/30/2021	1430
R2106645-004	SB-3 0-2ft	6/30/2021	1230
R2106645-005	SB-5 0-3ft	6/30/2021	1540
R2106645-006	SB-4 5-10	6/30/2021	1545
R2106645-007	SB-3	6/30/2021	1600
R2106645-008	BB-5	6/30/2021	1630
R2106645-009	Trip Blank	6/30/2021	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

005932

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE _____ OF _____

Project Name: HEMPSTEAD	Project Number:
Project Manager: JAKE TRACY	Report CC: JAKE TRACY
Company/Address: BE3	
960 BUSTI AVE	
BUFFALO, NY	
Phone #: 716-308-8220	Email: JTRACY@BE3CORP.COM
Sampler's Signature:	Sampler's Printed Name:

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625	GC VOAs • 8021 • 601/602	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	FUEL SCAN	TPH								REMARKS/ ALTERNATE DESCRIPTION
SB-1 0-2FT		6-30-21	945	SOIL	1		X				X											
SB-2 0-2FT		6-30-21	1127	SOIL	1		X				X											
SB-4 0-2FT		6-30-21	1230	SOIL	2	X	X	X			X											
SB-3 0-2FT		6-30-21	1230	SOIL	1		X				X											
SB-5 0-3FT		6-30-21	340	SOIL	2	X	X				X											
SB-4 5-10		6-30-21	345	SOIL	2	X	X			X			X	X								
SB-3		6-30-21	400	GWATER	3	X																
SB-5		6-30-21	430	GWATER	3	X																
TRIP BLANK						X																

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Part 375 8w 7/2/21

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data

Edata _____ Yes _____ No

INVOICE INFORMATION
PO #
BILL TO:

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	
Printed Name: PETER J. GORSKI	Printed Name: Daniel Ward	Printed Name:	Printed Name:	Printed Name:	
Firm: BE3	Firm: ALS	Firm:	Firm:	Firm:	
Date/Time: 7-1-21 535	Date/Time: 7/1/21 1735	Date/Time:	Date/Time:	Date/Time:	

R2106645 5
BE3 Corp
Hempstead

Distribution: White - Lab Copy; Yellow - Return to Originator

R2106645 5
BE3 Corp
Hempstead

Cooler Receipt and Preservation Check Form

Project/Client BE3 Folder Number

Cooler received on 7/1/21 by: SW

COURIER: ALS UPS FEDEX VELOCITY ~~CLIENT~~

1	Were Custody seals on outside of cooler?	Y (N)
2	Custody papers properly completed (ink, signed)?	(Y) N
3	Did all bottles arrive in good condition (unbroken)?	(Y) N
4	Circle: Wet Ice Dry Ice Gel packs present?	(Y) N

5a	Perchlorate samples have required headspace?	Y N (NA)
5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	(Y) N NA
6	Where did the bottles originate?	ALS/ROC CLIENT
7	Soil VOA received as: Bulk Encore 5035set NA	SW 7/1/21

8. Temperature Readings Date: 7/1/21 Time: 1746 ID: IR#7 IR#1 From: Temp Blank ~~Sample Bottle~~ SW 7/1/21

Observed Temp (°C)	22.2°						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) ~~Same Day Rule~~ SW 7/1/21

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____ 7/1/21

All samples held in storage location: R-402 by SW on 7/1/21 at 1740
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 7/2/21 Time: 1318 by: (JD)

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES (NO)
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 032921-1W, 2596

Explain all Discrepancies/ Other Comments:

* 3 vials: Trip Blank, SB-5, SB-3

VOC - waters → no date/time

SB-5 vs. BB-5
↓ ↓
bottle COC

HPROD	(BULK)
HTR	FLDT
(SUB)	HGFB
ALS	LL3541

Labels secondary reviewed by: (JD)
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: BE3 **Service Request:** R2106645
Project: Hempstead

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids
NY 310-13 Modified	NonAq Liquid	Fuel Oil No. 2
NY 310-13 Modified	NonAq Liquid	Fuel Oil No. 4
NY 310-13 Modified	NonAq Liquid	Fuel Oil No. 6
NY 310-13 Modified	NonAq Liquid	Gasoline
NY 310-13 Modified	NonAq Liquid	Kerosene
NY 310-13 Modified	NonAq Liquid	Lube Oil
NY 310-13 Modified	NonAq Liquid	n-Dodecane

Client: BE3 **Service Request:** R2106645
Project: Hempstead/

Sample Name: SB-1 0-2ft **Date Collected:** 06/30/21
Lab Code: R2106645-001 **Date Received:** 07/1/21
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	NMANSEN
7471B	NMANSEN	NMANSEN
8270D	KSERCU	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: SB-2 0-2ft **Date Collected:** 06/30/21
Lab Code: R2106645-002 **Date Received:** 07/1/21
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	NMANSEN
6010C	BDIAMOND	KMCLAEN
7471B	NMANSEN	NMANSEN
8270D	KSERCU	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: SB-4 0-2ft **Date Collected:** 06/30/21
Lab Code: R2106645-003 **Date Received:** 07/1/21
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	NMANSEN
7471B	NMANSEN	NMANSEN
8260C		FNAEGLER
8270D	KSERCU	JMISIUREWICZ
ALS SOP		KAWONG

Client: BE3 **Service Request:** R2106645
Project: Hempstead/

Sample Name: SB-3 0-2ft **Date Collected:** 06/30/21
Lab Code: R2106645-004 **Date Received:** 07/1/21
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	NMANSEN
7471B	NMANSEN	NMANSEN
8270D	KSERCU	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: SB-5 0-3ft **Date Collected:** 06/30/21
Lab Code: R2106645-005 **Date Received:** 07/1/21
Sample Matrix: Soil

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
6010C	BDIAMOND	NMANSEN
7471B	NMANSEN	NMANSEN
8260C		FNAEGLER
8270D	KSERCU	JMISIUREWICZ
ALS SOP		KAWONG

Sample Name: SB-4 5-10 **Date Collected:** 06/30/21
Lab Code: R2106645-006 **Date Received:** 07/1/21
Sample Matrix: NonAq Liquid

Analysis Method	Extracted/Digested By	Analyzed By
8015C	AFELSER	AFELSER
8082A	JMISIUREWICZ	BALLGEIER
8260C		KRUEST
8270D	VSTAUFFER	JMISIUREWICZ
NY 310-13 Modified	VSTAUFFER	AFELSER

Client: BE3 **Service Request:** R2106645
Project: Hempstead/

Sample Name: SB-4 5-10 **Date Collected:** 06/30/21
Lab Code: R2106645-006.R01 **Date Received:** 07/1/21
Sample Matrix: NonAq Liquid

Analysis Method	Extracted/Digested By	Analyzed By
8015C	VSTAUFFER	AFELSER

Sample Name: SB-3 **Date Collected:** 06/30/21
Lab Code: R2106645-007 **Date Received:** 07/1/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: BB-5 **Date Collected:** 06/30/21
Lab Code: R2106645-008 **Date Received:** 07/1/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: Trip Blank **Date Collected:** 06/30/21
Lab Code: R2106645-009 **Date Received:** 07/1/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 14:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 0-2ft	**Units:**	ug/Kg
Lab Code:	R2106645-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.5 U	5.5	1	07/12/21 14:31	
1,1-Dichloroethane (1,1-DCA)	5.5 U	5.5	1	07/12/21 14:31	
1,1-Dichloroethene (1,1-DCE)	5.5 U	5.5	1	07/12/21 14:31	
1,2,4-Trimethylbenzene	5.5 U	5.5	1	07/12/21 14:31	
1,2-Dichlorobenzene	5.5 U	5.5	1	07/12/21 14:31	
1,2-Dichloroethane	5.5 U	5.5	1	07/12/21 14:31	
1,3,5-Trimethylbenzene	5.5 U	5.5	1	07/12/21 14:31	
1,3-Dichlorobenzene	5.5 U	5.5	1	07/12/21 14:31	
1,4-Dichlorobenzene	5.5 U	5.5	1	07/12/21 14:31	
2-Butanone (MEK)	5.5 U	5.5	1	07/12/21 14:31	
Acetone	5.5 U	5.5	1	07/12/21 14:31	
Benzene	5.5 U	5.5	1	07/12/21 14:31	
Carbon Tetrachloride	5.5 U	5.5	1	07/12/21 14:31	
Chlorobenzene	5.5 U	5.5	1	07/12/21 14:31	
Chloroform	5.5 U	5.5	1	07/12/21 14:31	
Dichloromethane	5.5 U	5.5	1	07/12/21 14:31	
Ethylbenzene	5.5 U	5.5	1	07/12/21 14:31	
Methyl tert-Butyl Ether	5.5 U	5.5	1	07/12/21 14:31	
Tetrachloroethene (PCE)	**19**	5.5	1	07/12/21 14:31	
Toluene	5.5 U	5.5	1	07/12/21 14:31	
Trichloroethene (TCE)	5.5 U	5.5	1	07/12/21 14:31	
Vinyl Chloride	5.5 U	5.5	1	07/12/21 14:31	
cis-1,2-Dichloroethene	5.5 U	5.5	1	07/12/21 14:31	
m,p-Xylenes	11 U	11	1	07/12/21 14:31	
n-Butylbenzene	5.5 U	5.5	1	07/12/21 14:31	
n-Propylbenzene	5.5 U	5.5	1	07/12/21 14:31	
o-Xylene	5.5 U	5.5	1	07/12/21 14:31	
sec-Butylbenzene	5.5 U	5.5	1	07/12/21 14:31	
tert-Butylbenzene	5.5 U	5.5	1	07/12/21 14:31	
trans-1,2-Dichloroethene	5.5 U	5.5	1	07/12/21 14:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	82	31 - 154	07/12/21 14:31	
Dibromofluoromethane	100	63 - 138	07/12/21 14:31	
Toluene-d8	98	66 - 138	07/12/21 14:31	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:40
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-5 0-3ft	**Units:**	ug/Kg
Lab Code:	R2106645-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	6.0 U	6.0	1	07/12/21 14:08	
1,1-Dichloroethane (1,1-DCA)	6.0 U	6.0	1	07/12/21 14:08	
1,1-Dichloroethene (1,1-DCE)	6.0 U	6.0	1	07/12/21 14:08	
1,2,4-Trimethylbenzene	6.0 U	6.0	1	07/12/21 14:08	
1,2-Dichlorobenzene	6.0 U	6.0	1	07/12/21 14:08	
1,2-Dichloroethane	6.0 U	6.0	1	07/12/21 14:08	
1,3,5-Trimethylbenzene	6.0 U	6.0	1	07/12/21 14:08	
1,3-Dichlorobenzene	6.0 U	6.0	1	07/12/21 14:08	
1,4-Dichlorobenzene	6.0 U	6.0	1	07/12/21 14:08	
2-Butanone (MEK)	6.0 U	6.0	1	07/12/21 14:08	
Acetone	**8.6**	6.0	1	07/12/21 14:08	
Benzene	6.0 U	6.0	1	07/12/21 14:08	
Carbon Tetrachloride	6.0 U	6.0	1	07/12/21 14:08	
Chlorobenzene	6.0 U	6.0	1	07/12/21 14:08	
Chloroform	6.0 U	6.0	1	07/12/21 14:08	
Dichloromethane	6.0 U	6.0	1	07/12/21 14:08	
Ethylbenzene	6.0 U	6.0	1	07/12/21 14:08	
Methyl tert-Butyl Ether	6.0 U	6.0	1	07/12/21 14:08	
Tetrachloroethene (PCE)	6.0 U	6.0	1	07/12/21 14:08	
Toluene	6.0 U	6.0	1	07/12/21 14:08	
Trichloroethene (TCE)	**58**	6.0	1	07/12/21 14:08	
Vinyl Chloride	6.0 U	6.0	1	07/12/21 14:08	
cis-1,2-Dichloroethene	6.0 U	6.0	1	07/12/21 14:08	
m,p-Xylenes	12 U	12	1	07/12/21 14:08	
n-Butylbenzene	6.0 U	6.0	1	07/12/21 14:08	
n-Propylbenzene	6.0 U	6.0	1	07/12/21 14:08	
o-Xylene	6.0 U	6.0	1	07/12/21 14:08	
sec-Butylbenzene	6.0 U	6.0	1	07/12/21 14:08	
tert-Butylbenzene	6.0 U	6.0	1	07/12/21 14:08	
trans-1,2-Dichloroethene	6.0 U	6.0	1	07/12/21 14:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	78	31 - 154	07/12/21 14:08	
Dibromofluoromethane	96	63 - 138	07/12/21 14:08	
Toluene-d8	101	66 - 138	07/12/21 14:08	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 16:00
Sample Matrix:	Water	**Date Received:**	07/01/21 17:35
Sample Name:	SB-3	**Units:**	ug/L
Lab Code:	R2106645-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane	5.0 U	5.0	1	07/13/21 18:27	
1,1-Dichloroethane	5.0 U	5.0	1	07/13/21 18:27	
1,1-Dichloroethene	5.0 U	5.0	1	07/13/21 18:27	
1,2,4-Trimethylbenzene	5.0 U	5.0	1	07/13/21 18:27	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:27	
1,2-Dichloroethane	5.0 U	5.0	1	07/13/21 18:27	
1,3,5-Trimethylbenzene	5.0 U	5.0	1	07/13/21 18:27	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:27	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:27	
Methyl Ethyl Ketone	10 U	10	1	07/13/21 18:27	
Acetone	10 U	10	1	07/13/21 18:27	
Benzene	5.0 U	5.0	1	07/13/21 18:27	
Carbon Tetrachloride	5.0 U	5.0	1	07/13/21 18:27	
Chlorobenzene	5.0 U	5.0	1	07/13/21 18:27	
Chloroform	5.0 U	5.0	1	07/13/21 18:27	
Methylene Chloride	5.0 U	5.0	1	07/13/21 18:27	
Ethylbenzene	5.0 U	5.0	1	07/13/21 18:27	
Methyl tert-Butyl Ether	5.0 U	5.0	1	07/13/21 18:27	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/13/21 18:27	
Toluene	5.0 U	5.0	1	07/13/21 18:27	
Trichloroethene (TCE)	5.0 U	5.0	1	07/13/21 18:27	
Vinyl Chloride	5.0 U	5.0	1	07/13/21 18:27	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 18:27	
m,p-Xylenes	5.0 U	5.0	1	07/13/21 18:27	
n-Butylbenzene	5.0 U	5.0	1	07/13/21 18:27	
n-Propylbenzene	5.0 U	5.0	1	07/13/21 18:27	
o-Xylene	5.0 U	5.0	1	07/13/21 18:27	
sec-Butylbenzene	5.0 U	5.0	1	07/13/21 18:27	
tert-Butylbenzene	5.0 U	5.0	1	07/13/21 18:27	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 18:27	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	07/13/21 18:27	
Dibromofluoromethane	99	80 - 116	07/13/21 18:27	
Toluene-d8	100	87 - 121	07/13/21 18:27	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 16:30
Sample Matrix:	Water	**Date Received:**	07/01/21 17:35
Sample Name:	BB-5	**Units:**	ug/L
Lab Code:	R2106645-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane	5.0 U	5.0	1	07/13/21 18:49	
1,1-Dichloroethane	5.0 U	5.0	1	07/13/21 18:49	
1,1-Dichloroethene	5.0 U	5.0	1	07/13/21 18:49	
1,2,4-Trimethylbenzene	5.0 U	5.0	1	07/13/21 18:49	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:49	
1,2-Dichloroethane	5.0 U	5.0	1	07/13/21 18:49	
1,3,5-Trimethylbenzene	5.0 U	5.0	1	07/13/21 18:49	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:49	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/13/21 18:49	
Methyl Ethyl Ketone	10 U	10	1	07/13/21 18:49	
Acetone	10 U	10	1	07/13/21 18:49	
Benzene	5.0 U	5.0	1	07/13/21 18:49	
Carbon Tetrachloride	5.0 U	5.0	1	07/13/21 18:49	
Chlorobenzene	5.0 U	5.0	1	07/13/21 18:49	
Chloroform	5.0 U	5.0	1	07/13/21 18:49	
Methylene Chloride	5.0 U	5.0	1	07/13/21 18:49	
Ethylbenzene	5.0 U	5.0	1	07/13/21 18:49	
Methyl tert-Butyl Ether	5.0 U	5.0	1	07/13/21 18:49	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/13/21 18:49	
Toluene	5.0 U	5.0	1	07/13/21 18:49	
Trichloroethene (TCE)	**20**	5.0	1	07/13/21 18:49	
Vinyl Chloride	5.0 U	5.0	1	07/13/21 18:49	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 18:49	
m,p-Xylenes	5.0 U	5.0	1	07/13/21 18:49	
n-Butylbenzene	5.0 U	5.0	1	07/13/21 18:49	
n-Propylbenzene	5.0 U	5.0	1	07/13/21 18:49	
o-Xylene	5.0 U	5.0	1	07/13/21 18:49	
sec-Butylbenzene	5.0 U	5.0	1	07/13/21 18:49	
tert-Butylbenzene	5.0 U	5.0	1	07/13/21 18:49	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 18:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	07/13/21 18:49	
Dibromofluoromethane	98	80 - 116	07/13/21 18:49	
Toluene-d8	99	87 - 121	07/13/21 18:49	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21
Sample Matrix:	Water	**Date Received:**	07/01/21 17:35
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2106645-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane	5.0 U	5.0	1	07/13/21 14:04	
1,1-Dichloroethane	5.0 U	5.0	1	07/13/21 14:04	
1,1-Dichloroethene	5.0 U	5.0	1	07/13/21 14:04	
1,2,4-Trimethylbenzene	5.0 U	5.0	1	07/13/21 14:04	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/13/21 14:04	
1,2-Dichloroethane	5.0 U	5.0	1	07/13/21 14:04	
1,3,5-Trimethylbenzene	5.0 U	5.0	1	07/13/21 14:04	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/13/21 14:04	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/13/21 14:04	
Methyl Ethyl Ketone	10 U	10	1	07/13/21 14:04	
Acetone	10 U	10	1	07/13/21 14:04	
Benzene	5.0 U	5.0	1	07/13/21 14:04	
Carbon Tetrachloride	5.0 U	5.0	1	07/13/21 14:04	
Chlorobenzene	5.0 U	5.0	1	07/13/21 14:04	
Chloroform	5.0 U	5.0	1	07/13/21 14:04	
Methylene Chloride	5.0 U	5.0	1	07/13/21 14:04	
Ethylbenzene	5.0 U	5.0	1	07/13/21 14:04	
Methyl tert-Butyl Ether	5.0 U	5.0	1	07/13/21 14:04	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/13/21 14:04	
Toluene	5.0 U	5.0	1	07/13/21 14:04	
Trichloroethene (TCE)	5.0 U	5.0	1	07/13/21 14:04	
Vinyl Chloride	5.0 U	5.0	1	07/13/21 14:04	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 14:04	
m,p-Xylenes	5.0 U	5.0	1	07/13/21 14:04	
n-Butylbenzene	5.0 U	5.0	1	07/13/21 14:04	
n-Propylbenzene	5.0 U	5.0	1	07/13/21 14:04	
o-Xylene	5.0 U	5.0	1	07/13/21 14:04	
sec-Butylbenzene	5.0 U	5.0	1	07/13/21 14:04	
tert-Butylbenzene	5.0 U	5.0	1	07/13/21 14:04	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 14:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	07/13/21 14:04	
Dibromofluoromethane	94	80 - 116	07/13/21 14:04	
Toluene-d8	98	87 - 121	07/13/21 14:04	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25000 U	25000	5000	07/08/21 18:12	
1,1,2,2-Tetrachloroethane	25000 U	25000	5000	07/08/21 18:12	
1,1,2-Trichloroethane	25000 U	25000	5000	07/08/21 18:12	
1,1-Dichloroethane (1,1-DCA)	25000 U	25000	5000	07/08/21 18:12	
1,1-Dichloroethene (1,1-DCE)	25000 U	25000	5000	07/08/21 18:12	
1,2-Dichloroethane	25000 U	25000	5000	07/08/21 18:12	
1,2-Dichloropropane	25000 U	25000	5000	07/08/21 18:12	
2-Butanone (MEK)	50000 U	50000	5000	07/08/21 18:12	
2-Hexanone	50000 U	50000	5000	07/08/21 18:12	
4-Methyl-2-pentanone	50000 U	50000	5000	07/08/21 18:12	
Acetone	50000 U	50000	5000	07/08/21 18:12	
Benzene	25000 U	25000	5000	07/08/21 18:12	
Bromodichloromethane	25000 U	25000	5000	07/08/21 18:12	
Bromoform	25000 U	25000	5000	07/08/21 18:12	
Bromomethane	25000 U	25000	5000	07/08/21 18:12	
Carbon Disulfide	50000 U	50000	5000	07/08/21 18:12	
Carbon Tetrachloride	25000 U	25000	5000	07/08/21 18:12	
Chlorobenzene	25000 U	25000	5000	07/08/21 18:12	
Chloroethane	25000 U	25000	5000	07/08/21 18:12	
Chloroform	25000 U	25000	5000	07/08/21 18:12	
Chloromethane	25000 U	25000	5000	07/08/21 18:12	
Dibromochloromethane	25000 U	25000	5000	07/08/21 18:12	
Methylene Chloride	25000 U	25000	5000	07/08/21 18:12	
Ethylbenzene	**27000**	25000	5000	07/08/21 18:12	
Styrene	25000 U	25000	5000	07/08/21 18:12	
Tetrachloroethene (PCE)	25000 U	25000	5000	07/08/21 18:12	
Toluene	**31000**	25000	5000	07/08/21 18:12	
Trichloroethene (TCE)	25000 U	25000	5000	07/08/21 18:12	
Vinyl Chloride	25000 U	25000	5000	07/08/21 18:12	
cis-1,2-Dichloroethene	25000 U	25000	5000	07/08/21 18:12	
cis-1,3-Dichloropropene	25000 U	25000	5000	07/08/21 18:12	
m,p-Xylenes	**120000**	25000	5000	07/08/21 18:12	
o-Xylene	**39000**	25000	5000	07/08/21 18:12	
trans-1,2-Dichloroethene	25000 U	25000	5000	07/08/21 18:12	
trans-1,3-Dichloropropene	25000 U	25000	5000	07/08/21 18:12	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	31 - 154	07/08/21 18:12	
Dibromofluoromethane	98	63 - 138	07/08/21 18:12	
Toluene-d8	105	66 - 138	07/08/21 18:12	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
1,2-Dichlorobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
1,3-Dichlorobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
1,4-Dichlorobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,4,5-Trichlorophenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,4,6-Trichlorophenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,4-Dichlorophenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,4-Dimethylphenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,4-Dinitrophenol	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
2,4-Dinitrotoluene	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,6-Dinitrotoluene	510000 U	510000	5	07/16/21 11:41	7/12/21	
2-Chloronaphthalene	510000 U	510000	5	07/16/21 11:41	7/12/21	
2-Chlorophenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2-Methylnaphthalene	**750000**	510000	5	07/16/21 11:41	7/12/21	
2-Methylphenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2-Nitroaniline	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
2-Nitrophenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
3,3'-Dichlorobenzidine	510000 U	510000	5	07/16/21 11:41	7/12/21	
3- and 4-Methylphenol Coelution	510000 U	510000	5	07/16/21 11:41	7/12/21	
3-Nitroaniline	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
4,6-Dinitro-2-methylphenol	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
4-Bromophenyl Phenyl Ether	510000 U	510000	5	07/16/21 11:41	7/12/21	
4-Chloro-3-methylphenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
4-Chloroaniline	510000 U	510000	5	07/16/21 11:41	7/12/21	
4-Chlorophenyl Phenyl Ether	510000 U	510000	5	07/16/21 11:41	7/12/21	
4-Nitroaniline	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
4-Nitrophenol	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
Acenaphthene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Acenaphthylene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Anthracene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benz(a)anthracene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benzo(a)pyrene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benzo(b)fluoranthene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benzo(g,h,i)perylene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benzo(k)fluoranthene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Benzyl Alcohol	510000 U	510000	5	07/16/21 11:41	7/12/21	
2,2'-Oxybis(1-chloropropane)	510000 U	510000	5	07/16/21 11:41	7/12/21	
Bis(2-chloroethoxy)methane	510000 U	510000	5	07/16/21 11:41	7/12/21	
Bis(2-chloroethyl) Ether	510000 U	510000	5	07/16/21 11:41	7/12/21	
Bis(2-ethylhexyl) Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	
Butyl Benzyl Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	510000 U	510000	5	07/16/21 11:41	7/12/21	
Chrysene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Di-n-butyl Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	
Di-n-octyl Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	
Dibenz(a,h)anthracene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Dibenzofuran	510000 U	510000	5	07/16/21 11:41	7/12/21	
Diethyl Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	
Dimethyl Phthalate	510000 U	510000	5	07/16/21 11:41	7/12/21	
Fluoranthene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Fluorene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Hexachlorobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Hexachlorobutadiene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Hexachlorocyclopentadiene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Hexachloroethane	510000 U	510000	5	07/16/21 11:41	7/12/21	
Indeno(1,2,3-cd)pyrene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Isophorone	510000 U	510000	5	07/16/21 11:41	7/12/21	
N-Nitrosodi-n-propylamine	510000 U	510000	5	07/16/21 11:41	7/12/21	
N-Nitrosodimethylamine	510000 U	510000	5	07/16/21 11:41	7/12/21	
N-Nitrosodiphenylamine	510000 U	510000	5	07/16/21 11:41	7/12/21	
Naphthalene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Nitrobenzene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Pentachlorophenol (PCP)	2600000 U	2600000	5	07/16/21 11:41	7/12/21	
Phenanthrene	510000 U	510000	5	07/16/21 11:41	7/12/21	
Phenol	510000 U	510000	5	07/16/21 11:41	7/12/21	
Pyrene	510000 U	510000	5	07/16/21 11:41	7/12/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	10 - 180	07/16/21 11:41	
2-Fluorobiphenyl	81	49 - 157	07/16/21 11:41	
2-Fluorophenol	77	59 - 113	07/16/21 11:41	
Nitrobenzene-d5	82	66 - 143	07/16/21 11:41	
Phenol-d6	71	35 - 125	07/16/21 11:41	
p-Terphenyl-d14	94	72 - 172	07/16/21 11:41	

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 09:45
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-1 0-2ft	**Units:**	ug/Kg
Lab Code:	R2106645-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	510 U	510	1	07/20/21 02:43	7/9/21	
m,p-Cresols	510 U	510	1	07/20/21 02:43	7/9/21	
Acenaphthene	510 U	510	1	07/20/21 02:43	7/9/21	
Acenaphthylene	510 U	510	1	07/20/21 02:43	7/9/21	
Anthracene	510 U	510	1	07/20/21 02:43	7/9/21	
Benz(a)anthracene	510 U	510	1	07/20/21 02:43	7/9/21	
Benzo(a)pyrene	510 U	510	1	07/20/21 02:43	7/9/21	
Benzo(b)fluoranthene	510 U	510	1	07/20/21 02:43	7/9/21	
Benzo(g,h,i)perylene	510 U	510	1	07/20/21 02:43	7/9/21	
Benzo(k)fluoranthene	510 U	510	1	07/20/21 02:43	7/9/21	
Chrysene	510 U	510	1	07/20/21 02:43	7/9/21	
Dibenz(a,h)anthracene	510 U	510	1	07/20/21 02:43	7/9/21	
Dibenzofuran	510 U	510	1	07/20/21 02:43	7/9/21	
Fluoranthene	510 U	510	1	07/20/21 02:43	7/9/21	
Fluorene	510 U	510	1	07/20/21 02:43	7/9/21	
Hexachlorobenzene	510 U	510	1	07/20/21 02:43	7/9/21	
Indeno(1,2,3-cd)pyrene	510 U	510	1	07/20/21 02:43	7/9/21	
Naphthalene	510 U	510	1	07/20/21 02:43	7/9/21	
Pentachlorophenol	2600 U	2600	1	07/20/21 02:43	7/9/21	
Phenanthrene	510 U	510	1	07/20/21 02:43	7/9/21	
Phenol	510 U	510	1	07/20/21 02:43	7/9/21	
Pyrene	510 U	510	1	07/20/21 02:43	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	77	10 - 109	07/20/21 02:43	
2-Fluorobiphenyl	64	10 - 102	07/20/21 02:43	
2-Fluorophenol	69	10 - 88	07/20/21 02:43	
Nitrobenzene-d5	66	10 - 95	07/20/21 02:43	
Phenol-d6	64	10 - 145	07/20/21 02:43	
p-Terphenyl-d14	92	10 - 106	07/20/21 02:43	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 11:27
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-2 0-2ft	**Units:**	ug/Kg
Lab Code:	R2106645-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	360 U	360	1	07/20/21 03:10	7/9/21	
m,p-Cresols	360 U	360	1	07/20/21 03:10	7/9/21	
Acenaphthene	360 U	360	1	07/20/21 03:10	7/9/21	
Acenaphthylene	360 U	360	1	07/20/21 03:10	7/9/21	
Anthracene	360 U	360	1	07/20/21 03:10	7/9/21	
Benz(a)anthracene	360 U	360	1	07/20/21 03:10	7/9/21	
Benzo(a)pyrene	360 U	360	1	07/20/21 03:10	7/9/21	
Benzo(b)fluoranthene	360 U	360	1	07/20/21 03:10	7/9/21	
Benzo(g,h,i)perylene	360 U	360	1	07/20/21 03:10	7/9/21	
Benzo(k)fluoranthene	360 U	360	1	07/20/21 03:10	7/9/21	
Chrysene	360 U	360	1	07/20/21 03:10	7/9/21	
Dibenz(a,h)anthracene	360 U	360	1	07/20/21 03:10	7/9/21	
Dibenzofuran	360 U	360	1	07/20/21 03:10	7/9/21	
Fluoranthene	360 U	360	1	07/20/21 03:10	7/9/21	
Fluorene	360 U	360	1	07/20/21 03:10	7/9/21	
Hexachlorobenzene	360 U	360	1	07/20/21 03:10	7/9/21	
Indeno(1,2,3-cd)pyrene	360 U	360	1	07/20/21 03:10	7/9/21	
Naphthalene	360 U	360	1	07/20/21 03:10	7/9/21	
Pentachlorophenol	1800 U	1800	1	07/20/21 03:10	7/9/21	
Phenanthrene	360 U	360	1	07/20/21 03:10	7/9/21	
Phenol	360 U	360	1	07/20/21 03:10	7/9/21	
Pyrene	360 U	360	1	07/20/21 03:10	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	71	10 - 109	07/20/21 03:10	
2-Fluorobiphenyl	62	10 - 102	07/20/21 03:10	
2-Fluorophenol	63	10 - 88	07/20/21 03:10	
Nitrobenzene-d5	58	10 - 95	07/20/21 03:10	
Phenol-d6	58	10 - 145	07/20/21 03:10	
p-Terphenyl-d14	90	10 - 106	07/20/21 03:10	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 14:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 0-2ft	**Units:**	ug/Kg
Lab Code:	R2106645-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	8700 U	8700	10	07/20/21 03:38	7/9/21	
m,p-Cresols	8700 U	8700	10	07/20/21 03:38	7/9/21	
Acenaphthene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Acenaphthylene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Anthracene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Benz(a)anthracene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Benzo(a)pyrene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Benzo(b)fluoranthene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Benzo(g,h,i)perylene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Benzo(k)fluoranthene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Chrysene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Dibenz(a,h)anthracene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Dibenzofuran	8700 U	8700	10	07/20/21 03:38	7/9/21	
Fluoranthene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Fluorene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Hexachlorobenzene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Indeno(1,2,3-cd)pyrene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Naphthalene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Pentachlorophenol	45000 U	45000	10	07/20/21 03:38	7/9/21	
Phenanthrene	8700 U	8700	10	07/20/21 03:38	7/9/21	
Phenol	8700 U	8700	10	07/20/21 03:38	7/9/21	
Pyrene	8700 U	8700	10	07/20/21 03:38	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	32	10 - 109	07/20/21 03:38	
2-Fluorobiphenyl	36	10 - 102	07/20/21 03:38	
2-Fluorophenol	38	10 - 88	07/20/21 03:38	
Nitrobenzene-d5	34	10 - 95	07/20/21 03:38	
Phenol-d6	31	10 - 145	07/20/21 03:38	
p-Terphenyl-d14	41	10 - 106	07/20/21 03:38	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 12:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-3 0-2ft	**Units:**	ug/Kg
Lab Code:	R2106645-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	370 U	370	1	07/20/21 04:06	7/9/21	
m,p-Cresols	370 U	370	1	07/20/21 04:06	7/9/21	
Acenaphthene	370 U	370	1	07/20/21 04:06	7/9/21	
Acenaphthylene	370 U	370	1	07/20/21 04:06	7/9/21	
Anthracene	370 U	370	1	07/20/21 04:06	7/9/21	
Benz(a)anthracene	370 U	370	1	07/20/21 04:06	7/9/21	
Benzo(a)pyrene	370 U	370	1	07/20/21 04:06	7/9/21	
Benzo(b)fluoranthene	370 U	370	1	07/20/21 04:06	7/9/21	
Benzo(g,h,i)perylene	370 U	370	1	07/20/21 04:06	7/9/21	
Benzo(k)fluoranthene	370 U	370	1	07/20/21 04:06	7/9/21	
Chrysene	370 U	370	1	07/20/21 04:06	7/9/21	
Dibenz(a,h)anthracene	370 U	370	1	07/20/21 04:06	7/9/21	
Dibenzofuran	370 U	370	1	07/20/21 04:06	7/9/21	
Fluoranthene	370 U	370	1	07/20/21 04:06	7/9/21	
Fluorene	370 U	370	1	07/20/21 04:06	7/9/21	
Hexachlorobenzene	370 U	370	1	07/20/21 04:06	7/9/21	
Indeno(1,2,3-cd)pyrene	370 U	370	1	07/20/21 04:06	7/9/21	
Naphthalene	370 U	370	1	07/20/21 04:06	7/9/21	
Pentachlorophenol	1900 U	1900	1	07/20/21 04:06	7/9/21	
Phenanthrene	370 U	370	1	07/20/21 04:06	7/9/21	
Phenol	370 U	370	1	07/20/21 04:06	7/9/21	
Pyrene	370 U	370	1	07/20/21 04:06	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	10 - 109	07/20/21 04:06	
2-Fluorobiphenyl	53	10 - 102	07/20/21 04:06	
2-Fluorophenol	57	10 - 88	07/20/21 04:06	
Nitrobenzene-d5	52	10 - 95	07/20/21 04:06	
Phenol-d6	53	10 - 145	07/20/21 04:06	
p-Terphenyl-d14	88	10 - 106	07/20/21 04:06	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:40
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-5 0-3ft	**Units:**	ug/Kg
Lab Code:	R2106645-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	410 U	410	1	07/21/21 21:38	7/12/21	
m,p-Cresols	410 U	410	1	07/21/21 21:38	7/12/21	
Acenaphthene	410 U	410	1	07/21/21 21:38	7/12/21	
Acenaphthylene	410 U	410	1	07/21/21 21:38	7/12/21	
Anthracene	410 U	410	1	07/21/21 21:38	7/12/21	
Benz(a)anthracene	**1200**	410	1	07/21/21 21:38	7/12/21	
Benzo(a)pyrene	**1400**	410	1	07/21/21 21:38	7/12/21	
Benzo(b)fluoranthene	**1700**	410	1	07/21/21 21:38	7/12/21	
Benzo(g,h,i)perylene	**820**	410	1	07/21/21 21:38	7/12/21	
Benzo(k)fluoranthene	**510**	410	1	07/21/21 21:38	7/12/21	
Chrysene	**1200**	410	1	07/21/21 21:38	7/12/21	
Dibenz(a,h)anthracene	410 U	410	1	07/21/21 21:38	7/12/21	
Dibenzofuran	410 U	410	1	07/21/21 21:38	7/12/21	
Fluoranthene	**2500**	410	1	07/21/21 21:38	7/12/21	
Fluorene	410 U	410	1	07/21/21 21:38	7/12/21	
Hexachlorobenzene	410 U	410	1	07/21/21 21:38	7/12/21	
Indeno(1,2,3-cd)pyrene	**1000**	410	1	07/21/21 21:38	7/12/21	
Naphthalene	410 U	410	1	07/21/21 21:38	7/12/21	
Pentachlorophenol	2100 U	2100	1	07/21/21 21:38	7/12/21	
Phenanthrene	**690**	410	1	07/21/21 21:38	7/12/21	
Phenol	410 U	410	1	07/21/21 21:38	7/12/21	
Pyrene	**2300**	410	1	07/21/21 21:38	7/12/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	10 - 109	07/21/21 21:38	
2-Fluorobiphenyl	54	10 - 102	07/21/21 21:38	
2-Fluorophenol	50	10 - 88	07/21/21 21:38	
Nitrobenzene-d5	46	10 - 95	07/21/21 21:38	
Phenol-d6	51	10 - 145	07/21/21 21:38	
p-Terphenyl-d14	79	10 - 106	07/21/21 21:38	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Diesel Range Organics by GC

Analysis Method: 8015C
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Diesel Range Organics (DRO) as C10-C28 Alkanes	**280000000**	9900000	10	07/19/21 20:11	7/13/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	210 *	55 - 116	07/19/21 20:11	*

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	ug/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2000 U	2000	1	07/23/21 01:02	7/21/21	
Aroclor 1221	3900 U	3900	1	07/23/21 01:02	7/21/21	
Aroclor 1232	2000 U	2000	1	07/23/21 01:02	7/21/21	
Aroclor 1242	2000 U	2000	1	07/23/21 01:02	7/21/21	
Aroclor 1248	2000 U	2000	1	07/23/21 01:02	7/21/21	
Aroclor 1254	2000 U	2000	1	07/23/21 01:02	7/21/21	
Aroclor 1260	2000 U	2000	1	07/23/21 01:02	7/21/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	83	44 - 131	07/23/21 01:02	
Tetrachloro-m-xylene	54	33 - 139	07/23/21 01:02	

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:45
Sample Matrix:	NonAq Liquid	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 5-10	**Units:**	mg/Kg
Lab Code:	R2106645-006	**Basis:**	As Received

NY Hydrocarbon Scan, Modified to Combine Methods 310-13, -14, and -15, and for Matrix

Analysis Method: NY 310-13 Modified
Prep Method: EPA 3580A

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Fuel Oil No. 2	40000	U	40000	40	07/14/21 17:58	7/6/21	
Fuel Oil No. 4	40000	U	40000	40	07/14/21 17:58	7/6/21	
Fuel Oil No. 6	40000	U	40000	40	07/14/21 17:58	7/6/21	
Gasoline	**Absence**		-	40	07/14/21 17:58	7/6/21	
Kerosene	40000	U	40000	40	07/14/21 17:58	7/6/21	
Lube Oil	**Absence**		-	40	07/14/21 17:58	7/6/21	
n-Dodecane	**203000**		40000	40	07/14/21 17:58	7/6/21	

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 09:45
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-1 0-2ft	**Basis:**	Dry
Lab Code:	R2106645-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**2.9**	mg/Kg	1.2	1	07/09/21 22:43	07/08/21	
Barium, Total	6010C	**28.8**	mg/Kg	2.3	1	07/09/21 22:43	07/08/21	
Beryllium, Total	6010C	0.35 U	mg/Kg	0.35	1	07/09/21 22:43	07/08/21	
Cadmium, Total	6010C	0.58 U	mg/Kg	0.58	1	07/09/21 22:43	07/08/21	
Chromium, Total	6010C	**7.9**	mg/Kg	1.2	1	07/09/21 22:43	07/08/21	
Copper, Total	6010C	**16.7**	mg/Kg	2.3	1	07/09/21 22:43	07/08/21	
Lead, Total	6010C	**61.5**	mg/Kg	5.8	1	07/09/21 22:43	07/08/21	
Manganese, Total	6010C	**109**	mg/Kg	2.3	1	07/09/21 22:43	07/08/21	
Mercury, Total	7471B	**0.049**	mg/Kg	0.036	1	07/07/21 13:09	07/06/21	
Nickel, Total	6010C	**6.7**	mg/Kg	4.6	1	07/09/21 22:43	07/08/21	
Selenium, Total	6010C	1.2 U	mg/Kg	1.2	1	07/09/21 22:43	07/08/21	
Silver, Total	6010C	1.2 U	mg/Kg	1.2	1	07/09/21 22:43	07/08/21	
Zinc, Total	6010C	**46.5**	mg/Kg	2.3	1	07/09/21 22:43	07/08/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 11:27
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-2 0-2ft	**Basis:**	Dry
Lab Code:	R2106645-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**1.4**	mg/Kg	1.0	1	07/12/21 12:15	07/08/21	
Barium, Total	6010C	**14.4**	mg/Kg	2.1	1	07/09/21 22:47	07/08/21	
Beryllium, Total	6010C	0.31 U	mg/Kg	0.31	1	07/09/21 22:47	07/08/21	
Cadmium, Total	6010C	0.52 U	mg/Kg	0.52	1	07/09/21 22:47	07/08/21	
Chromium, Total	6010C	**6.8**	mg/Kg	1.0	1	07/09/21 22:47	07/08/21	
Copper, Total	6010C	**16.5**	mg/Kg	2.1	1	07/09/21 22:47	07/08/21	
Lead, Total	6010C	**8.3**	mg/Kg	5.2	1	07/09/21 22:47	07/08/21	
Manganese, Total	6010C	**150**	mg/Kg	2.1	1	07/09/21 22:47	07/08/21	
Mercury, Total	7471B	**0.047**	mg/Kg	0.032	1	07/07/21 13:11	07/06/21	
Nickel, Total	6010C	**9.6**	mg/Kg	4.2	1	07/09/21 22:47	07/08/21	
Selenium, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 22:47	07/08/21	
Silver, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 22:47	07/08/21	
Zinc, Total	6010C	**15.3**	mg/Kg	2.1	1	07/09/21 22:47	07/08/21	

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 14:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 0-2ft	**Basis:**	Dry
Lab Code:	R2106645-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**3.1**	mg/Kg	1.1	1	07/09/21 22:50	07/08/21	
Barium, Total	6010C	**17.0**	mg/Kg	2.1	1	07/09/21 22:50	07/08/21	
Beryllium, Total	6010C	0.32 U	mg/Kg	0.32	1	07/09/21 22:50	07/08/21	
Cadmium, Total	6010C	0.53 U	mg/Kg	0.53	1	07/09/21 22:50	07/08/21	
Chromium, Total	6010C	**6.7**	mg/Kg	1.1	1	07/09/21 22:50	07/08/21	
Copper, Total	6010C	**20.0**	mg/Kg	2.1	1	07/09/21 22:50	07/08/21	
Lead, Total	6010C	5.3 U	mg/Kg	5.3	1	07/09/21 22:50	07/08/21	
Manganese, Total	6010C	**922**	mg/Kg	2.1	1	07/09/21 22:50	07/08/21	
Mercury, Total	7471B	0.035 U	mg/Kg	0.035	1	07/07/21 13:14	07/06/21	
Nickel, Total	6010C	**15.6**	mg/Kg	4.2	1	07/09/21 22:50	07/08/21	
Selenium, Total	6010C	1.1 U	mg/Kg	1.1	1	07/09/21 22:50	07/08/21	
Silver, Total	6010C	1.1 U	mg/Kg	1.1	1	07/09/21 22:50	07/08/21	
Zinc, Total	6010C	**12.0**	mg/Kg	2.1	1	07/09/21 22:50	07/08/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 12:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-3 0-2ft	**Basis:**	Dry
Lab Code:	R2106645-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**1.4**	mg/Kg	1.1	1	07/09/21 22:53	07/08/21	
Barium, Total	6010C	**20.0**	mg/Kg	2.1	1	07/09/21 22:53	07/08/21	
Beryllium, Total	6010C	0.32 U	mg/Kg	0.32	1	07/09/21 22:53	07/08/21	
Cadmium, Total	6010C	0.54 U	mg/Kg	0.54	1	07/09/21 22:53	07/08/21	
Chromium, Total	6010C	**98.6**	mg/Kg	1.1	1	07/09/21 22:53	07/08/21	
Copper, Total	6010C	**19.1**	mg/Kg	2.1	1	07/09/21 22:53	07/08/21	
Lead, Total	6010C	5.4 U	mg/Kg	5.4	1	07/09/21 22:53	07/08/21	
Manganese, Total	6010C	**189**	mg/Kg	2.1	1	07/09/21 22:53	07/08/21	
Mercury, Total	7471B	0.035 U	mg/Kg	0.035	1	07/07/21 13:16	07/06/21	
Nickel, Total	6010C	**12.1**	mg/Kg	4.3	1	07/09/21 22:53	07/08/21	
Selenium, Total	6010C	1.1 U	mg/Kg	1.1	1	07/09/21 22:53	07/08/21	
Silver, Total	6010C	1.1 U	mg/Kg	1.1	1	07/09/21 22:53	07/08/21	
Zinc, Total	6010C	**14.1**	mg/Kg	2.1	1	07/09/21 22:53	07/08/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:40
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-5 0-3ft	**Basis:**	Dry
Lab Code:	R2106645-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	**8.9**		mg/Kg	1.1	1	07/09/21 23:03	07/08/21	
Barium, Total	6010C	**60.4**		mg/Kg	2.2	1	07/09/21 23:03	07/08/21	
Beryllium, Total	6010C	**0.42**		mg/Kg	0.33	1	07/09/21 23:03	07/08/21	
Cadmium, Total	6010C	**5.68**		mg/Kg	0.55	1	07/09/21 23:03	07/08/21	
Chromium, Total	6010C	**15.5**		mg/Kg	1.1	1	07/09/21 23:03	07/08/21	
Copper, Total	6010C	**4580**		mg/Kg	66	30	07/12/21 12:41	07/08/21	
Lead, Total	6010C	**979**		mg/Kg	5.5	1	07/09/21 23:03	07/08/21	
Manganese, Total	6010C	**306**		mg/Kg	2.2	1	07/09/21 23:03	07/08/21	
Mercury, Total	7471B	**0.830**		mg/Kg	0.037	1	07/07/21 13:24	07/06/21	
Nickel, Total	6010C	22	U	mg/Kg	22	5	07/12/21 12:28	07/08/21	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	07/12/21 12:18	07/08/21	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	07/09/21 23:03	07/08/21	
Zinc, Total	6010C	**3830**		mg/Kg	66	30	07/12/21 12:41	07/08/21	

General Chemistry

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Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 09:45
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-1 0-2ft	**Basis:**	As Received
Lab Code:	R2106645-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**86.5**	Percent	-	1	07/02/21 15:20	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 11:27
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-2 0-2ft	**Basis:**	As Received
Lab Code:	R2106645-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**95.7**	Percent	-	1	07/02/21 15:20	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 14:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-4 0-2ft	**Basis:**	As Received
Lab Code:	R2106645-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**90.7**	Percent	-	1	07/02/21 15:20	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 12:30
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-3 0-2ft	**Basis:**	As Received
Lab Code:	R2106645-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**91.5**	Percent	-	1	07/02/21 15:20	

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	06/30/21 15:40
Sample Matrix:	Soil	**Date Received:**	07/01/21 17:35
Sample Name:	SB-5 0-3ft	**Basis:**	As Received
Lab Code:	R2106645-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Total Solids	ALS SOP	**83.0**	Percent	-	1	07/02/21 15:20	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
SB-4 0-2ft	R2106645-003	82	100	98
SB-5 0-3ft	R2106645-005	78	96	101
Method Blank	RQ2108141-05	91	93	98
Lab Control Sample	RQ2108141-03	95	98	98
Duplicate Lab Control Sample	RQ2108141-04	91	94	95

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108141-05	**Basis:**	Dry

Volatile Organic Compounds by GC/MS, Unp

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/21 12:08	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/21 12:08	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/21 12:08	
1,2,4-Trimethylbenzene	5.0 U	5.0	1	07/12/21 12:08	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/21 12:08	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/21 12:08	
1,3,5-Trimethylbenzene	5.0 U	5.0	1	07/12/21 12:08	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/21 12:08	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/21 12:08	
2-Butanone (MEK)	5.0 U	5.0	1	07/12/21 12:08	
Acetone	5.0 U	5.0	1	07/12/21 12:08	
Benzene	5.0 U	5.0	1	07/12/21 12:08	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/21 12:08	
Chlorobenzene	5.0 U	5.0	1	07/12/21 12:08	
Chloroform	5.0 U	5.0	1	07/12/21 12:08	
Dichloromethane	5.0 U	5.0	1	07/12/21 12:08	
Ethylbenzene	5.0 U	5.0	1	07/12/21 12:08	
Methyl tert-Butyl Ether	5.0 U	5.0	1	07/12/21 12:08	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/21 12:08	
Toluene	5.0 U	5.0	1	07/12/21 12:08	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/21 12:08	
Vinyl Chloride	5.0 U	5.0	1	07/12/21 12:08	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/12/21 12:08	
m,p-Xylenes	10 U	10	1	07/12/21 12:08	
n-Butylbenzene	5.0 U	5.0	1	07/12/21 12:08	
n-Propylbenzene	5.0 U	5.0	1	07/12/21 12:08	
o-Xylene	5.0 U	5.0	1	07/12/21 12:08	
sec-Butylbenzene	5.0 U	5.0	1	07/12/21 12:08	
tert-Butylbenzene	5.0 U	5.0	1	07/12/21 12:08	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/21 12:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	07/12/21 12:08	
Dibromofluoromethane	93	63 - 138	07/12/21 12:08	
Toluene-d8	98	66 - 138	07/12/21 12:08	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/12/21
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unp

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2108141-03			RQ2108141-04					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	8260C	18.6	20.0	93	19.1	20.0	96	68-123	3	30
1,1-Dichloroethane (1,1-DCA)	8260C	17.8	20.0	89	19.1	20.0	95	76-123	7	30
1,1-Dichloroethene (1,1-DCE)	8260C	23.4	20.0	117 *	24.9	20.0	125 *	65-115	7	30
1,2,4-Trimethylbenzene	8260C	19.2	20.0	96	18.7	20.0	94	67-121	2	30
1,2-Dichlorobenzene	8260C	17.6	20.0	88	17.2	20.0	86	75-116	2	30
1,2-Dichloroethane	8260C	16.3	20.0	82	17.4	20.0	87	74-116	6	30
1,3,5-Trimethylbenzene	8260C	19.7	20.0	99	19.1	20.0	95	66-122	4	30
1,3-Dichlorobenzene	8260C	18.3	20.0	92	18.0	20.0	90	72-118	2	30
1,4-Dichlorobenzene	8260C	18.0	20.0	90	17.4	20.0	87	72-117	3	30
2-Butanone (MEK)	8260C	18.6	20.0	93	18.5	20.0	92	67-129	1	30
Acetone	8260C	18.7	20.0	94	16.1	20.0	80	32-154	16	30
Benzene	8260C	17.9	20.0	90	18.9	20.0	94	77-114	4	30
Carbon Tetrachloride	8260C	18.4	20.0	92	18.8	20.0	94	51-123	2	30
Chlorobenzene	8260C	17.9	20.0	89	18.4	20.0	92	79-115	3	30
Chloroform	8260C	17.2	20.0	86	18.8	20.0	94	76-115	9	30
Dichloromethane	8260C	17.3	20.0	86	18.4	20.0	92	72-118	7	30
Ethylbenzene	8260C	19.0	20.0	95	18.9	20.0	95	64-118	<1	30
Methyl tert-Butyl Ether	8260C	15.9	20.0	80	17.3	20.0	87	76-118	8	30
Tetrachloroethene (PCE)	8260C	19.7	20.0	98	19.2	20.0	96	58-124	2	30
Toluene	8260C	18.5	20.0	92	18.7	20.0	93	72-116	1	30
Trichloroethene (TCE)	8260C	18.4	20.0	92	18.7	20.0	94	69-118	2	30
Vinyl Chloride	8260C	17.9	20.0	90	19.6	20.0	98	59-153	9	30
cis-1,2-Dichloroethene	8260C	18.6	20.0	93	19.9	20.0	100	79-113	7	30
m,p-Xylenes	8260C	39.0	40.0	97	38.5	40.0	96	68-118	1	30
n-Butylbenzene	8260C	20.8	20.0	104	20.1	20.0	101	54-131	3	30
n-Propylbenzene	8260C	20.2	20.0	101	19.6	20.0	98	59-126	3	30
o-Xylene	8260C	18.5	20.0	92	18.2	20.0	91	71-116	1	30
sec-Butylbenzene	8260C	20.2	20.0	101	19.5	20.0	98	54-128	3	30
tert-Butylbenzene	8260C	19.7	20.0	98	18.8	20.0	94	58-123	4	30
trans-1,2-Dichloroethene	8260C	20.3	20.0	102	21.7	20.0	108	73-114	6	30

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
SB-3	R2106645-007	94	99	100
BB-5	R2106645-008	94	98	99
Trip Blank	R2106645-009	93	94	98
Method Blank	RQ2108217-04	95	95	100
Lab Control Sample	RQ2108217-03	99	100	100

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2108217-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane	5.0 U	5.0	1	07/13/21 13:20	
1,1-Dichloroethane	5.0 U	5.0	1	07/13/21 13:20	
1,1-Dichloroethene	5.0 U	5.0	1	07/13/21 13:20	
1,2,4-Trimethylbenzene	5.0 U	5.0	1	07/13/21 13:20	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/13/21 13:20	
1,2-Dichloroethane	5.0 U	5.0	1	07/13/21 13:20	
1,3,5-Trimethylbenzene	5.0 U	5.0	1	07/13/21 13:20	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/13/21 13:20	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/13/21 13:20	
Methyl Ethyl Ketone	10 U	10	1	07/13/21 13:20	
Acetone	10 U	10	1	07/13/21 13:20	
Benzene	5.0 U	5.0	1	07/13/21 13:20	
Carbon Tetrachloride	5.0 U	5.0	1	07/13/21 13:20	
Chlorobenzene	5.0 U	5.0	1	07/13/21 13:20	
Chloroform	5.0 U	5.0	1	07/13/21 13:20	
Methylene Chloride	5.0 U	5.0	1	07/13/21 13:20	
Ethylbenzene	5.0 U	5.0	1	07/13/21 13:20	
Methyl tert-Butyl Ether	5.0 U	5.0	1	07/13/21 13:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/13/21 13:20	
Toluene	5.0 U	5.0	1	07/13/21 13:20	
Trichloroethene (TCE)	5.0 U	5.0	1	07/13/21 13:20	
Vinyl Chloride	5.0 U	5.0	1	07/13/21 13:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 13:20	
m,p-Xylenes	5.0 U	5.0	1	07/13/21 13:20	
n-Butylbenzene	5.0 U	5.0	1	07/13/21 13:20	
n-Propylbenzene	5.0 U	5.0	1	07/13/21 13:20	
o-Xylene	5.0 U	5.0	1	07/13/21 13:20	
sec-Butylbenzene	5.0 U	5.0	1	07/13/21 13:20	
tert-Butylbenzene	5.0 U	5.0	1	07/13/21 13:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/13/21 13:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	07/13/21 13:20	
Dibromofluoromethane	95	80 - 116	07/13/21 13:20	
Toluene-d8	100	87 - 121	07/13/21 13:20	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/13/21
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2108217-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane	8260C	20.2	20.0	101	75-125
1,1-Dichloroethane	8260C	19.5	20.0	97	80-124
1,1-Dichloroethene	8260C	25.5	20.0	127 *	71-118
1,2,4-Trimethylbenzene	8260C	19.3	20.0	97	81-126
1,2-Dichlorobenzene	8260C	18.5	20.0	93	80-119
1,2-Dichloroethane	8260C	19.4	20.0	97	71-127
1,3,5-Trimethylbenzene	8260C	19.3	20.0	96	81-128
1,3-Dichlorobenzene	8260C	18.7	20.0	94	83-121
1,4-Dichlorobenzene	8260C	19.1	20.0	96	79-119
Methyl Ethyl Ketone	8260C	16.7	20.0	84	61-137
Acetone	8260C	15.7	20.0	79	40-161
Benzene	8260C	19.9	20.0	100	79-119
Carbon Tetrachloride	8260C	17.8	20.0	89	70-127
Chlorobenzene	8260C	18.6	20.0	93	80-121
Chloroform	8260C	19.8	20.0	99	79-120
Methylene Chloride	8260C	19.0	20.0	95	73-122
Ethylbenzene	8260C	19.4	20.0	97	76-120
Methyl tert-Butyl Ether	8260C	18.8	20.0	94	75-118
Tetrachloroethene (PCE)	8260C	20.4	20.0	102	72-125
Toluene	8260C	19.6	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.5	20.0	98	74-122
Vinyl Chloride	8260C	19.9	20.0	100	74-159
cis-1,2-Dichloroethene	8260C	20.7	20.0	104	80-121
m,p-Xylenes	8260C	39.5	40.0	99	80-126
n-Butylbenzene	8260C	20.7	20.0	104	78-133
n-Propylbenzene	8260C	20.7	20.0	104	78-131
o-Xylene	8260C	18.9	20.0	95	79-123
sec-Butylbenzene	8260C	20.4	20.0	102	75-129
tert-Butylbenzene	8260C	20.6	20.0	103	76-126
trans-1,2-Dichloroethene	8260C	22.4	20.0	112	73-118

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: NonAq Liquid

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 31-154	Dibromofluoromethane 63-138	Toluene-d8 66-138
SB-4 5-10	R2106645-006	101	98	105

Semivolatile Organic Compounds by GC/MS

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Phone (585) 288-5380 Fax (585) 288-8475
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Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: NonAq Liquid

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3580A

Sample Name	Lab Code	2,4,6-Tribromophenol 10-180	2-Fluorobiphenyl 49-157	2-Fluorophenol 59-113
SB-4 5-10	R2106645-006	74	81	77
Method Blank	RQ2108114-01	86	95	98
Lab Control Sample	RQ2108114-02	104	97	97
Duplicate Lab Control Sample	RQ2108114-03	109	104	105

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: NonAq Liquid

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3580A

Sample Name	Lab Code	Nitrobenzene-d5 66-143	Phenol-d6 35-125	p-Terphenyl-d14 72-172
SB-4 5-10	R2106645-006	82	71	94
Method Blank	RQ2108114-01	95	89	109
Lab Control Sample	RQ2108114-02	94	91	112
Duplicate Lab Control Sample	RQ2108114-03	101	98	120

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	NonAq Liquid	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108114-01	**Basis:**	As Received

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	100000 U	100000	1	07/15/21 08:04	7/12/21	
1,2-Dichlorobenzene	100000 U	100000	1	07/15/21 08:04	7/12/21	
1,3-Dichlorobenzene	100000 U	100000	1	07/15/21 08:04	7/12/21	
1,4-Dichlorobenzene	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,4,5-Trichlorophenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,4,6-Trichlorophenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,4-Dichlorophenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,4-Dimethylphenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,4-Dinitrophenol	500000 U	500000	1	07/15/21 08:04	7/12/21	
2,4-Dinitrotoluene	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,6-Dinitrotoluene	100000 U	100000	1	07/15/21 08:04	7/12/21	
2-Chloronaphthalene	100000 U	100000	1	07/15/21 08:04	7/12/21	
2-Chlorophenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2-Methylnaphthalene	100000 U	100000	1	07/15/21 08:04	7/12/21	
2-Methylphenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2-Nitroaniline	500000 U	500000	1	07/15/21 08:04	7/12/21	
2-Nitrophenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
3,3'-Dichlorobenzidine	100000 U	100000	1	07/15/21 08:04	7/12/21	
3- and 4-Methylphenol Coelution	100000 U	100000	1	07/15/21 08:04	7/12/21	
3-Nitroaniline	500000 U	500000	1	07/15/21 08:04	7/12/21	
4,6-Dinitro-2-methylphenol	500000 U	500000	1	07/15/21 08:04	7/12/21	
4-Bromophenyl Phenyl Ether	100000 U	100000	1	07/15/21 08:04	7/12/21	
4-Chloro-3-methylphenol	100000 U	100000	1	07/15/21 08:04	7/12/21	
4-Chloroaniline	100000 U	100000	1	07/15/21 08:04	7/12/21	
4-Chlorophenyl Phenyl Ether	100000 U	100000	1	07/15/21 08:04	7/12/21	
4-Nitroaniline	500000 U	500000	1	07/15/21 08:04	7/12/21	
4-Nitrophenol	500000 U	500000	1	07/15/21 08:04	7/12/21	
Acenaphthene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Acenaphthylene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Anthracene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benz(a)anthracene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benzo(a)pyrene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benzo(b)fluoranthene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benzo(g,h,i)perylene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benzo(k)fluoranthene	100000 U	100000	1	07/15/21 08:04	7/12/21	
Benzyl Alcohol	100000 U	100000	1	07/15/21 08:04	7/12/21	
2,2'-Oxybis(1-chloropropane)	100000 U	100000	1	07/15/21 08:04	7/12/21	
Bis(2-chloroethoxy)methane	100000 U	100000	1	07/15/21 08:04	7/12/21	
Bis(2-chloroethyl) Ether	100000 U	100000	1	07/15/21 08:04	7/12/21	
Bis(2-ethylhexyl) Phthalate	100000 U	100000	1	07/15/21 08:04	7/12/21	
Butyl Benzyl Phthalate	100000 U	100000	1	07/15/21 08:04	7/12/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	NonAq Liquid	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108114-01	**Basis:**	As Received

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3580A

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	100000	U	100000	1	07/15/21 08:04	7/12/21	
Chrysene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Di-n-butyl Phthalate	100000	U	100000	1	07/15/21 08:04	7/12/21	
Di-n-octyl Phthalate	100000	U	100000	1	07/15/21 08:04	7/12/21	
Dibenz(a,h)anthracene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Dibenzofuran	100000	U	100000	1	07/15/21 08:04	7/12/21	
Diethyl Phthalate	100000	U	100000	1	07/15/21 08:04	7/12/21	
Dimethyl Phthalate	100000	U	100000	1	07/15/21 08:04	7/12/21	
Fluoranthene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Fluorene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Hexachlorobenzene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Hexachlorobutadiene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Hexachlorocyclopentadiene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Hexachloroethane	100000	U	100000	1	07/15/21 08:04	7/12/21	
Indeno(1,2,3-cd)pyrene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Isophorone	100000	U	100000	1	07/15/21 08:04	7/12/21	
N-Nitrosodi-n-propylamine	100000	U	100000	1	07/15/21 08:04	7/12/21	
N-Nitrosodimethylamine	100000	U	100000	1	07/15/21 08:04	7/12/21	
N-Nitrosodiphenylamine	100000	U	100000	1	07/15/21 08:04	7/12/21	
Naphthalene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Nitrobenzene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Pentachlorophenol (PCP)	500000	U	500000	1	07/15/21 08:04	7/12/21	
Phenanthrene	100000	U	100000	1	07/15/21 08:04	7/12/21	
Phenol	100000	U	100000	1	07/15/21 08:04	7/12/21	
Pyrene	100000	U	100000	1	07/15/21 08:04	7/12/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	10 - 180	07/15/21 08:04	
2-Fluorobiphenyl	95	49 - 157	07/15/21 08:04	
2-Fluorophenol	98	59 - 113	07/15/21 08:04	
Nitrobenzene-d5	95	66 - 143	07/15/21 08:04	
Phenol-d6	89	35 - 125	07/15/21 08:04	
p-Terphenyl-d14	109	72 - 172	07/15/21 08:04	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/15/21
Sample Matrix: NonAq Liquid

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: As Received

	Lab Control Sample				Duplicate Lab Control Sample					
	RQ2108114-02				RQ2108114-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	8270D	200000	200000	100	219000	200000	109	50-150	9	30
1,2-Dichlorobenzene	8270D	206000	200000	103	218000	200000	109	50-150	6	30
1,3-Dichlorobenzene	8270D	206000	200000	103	222000	200000	111	50-150	8	30
1,4-Dichlorobenzene	8270D	205000	200000	102	212000	200000	106	50-150	3	30
2,4,5-Trichlorophenol	8270D	225000	200000	113	239000	200000	120	50-150	6	30
2,4,6-Trichlorophenol	8270D	191000	200000	96	205000	200000	102	50-150	7	30
2,4-Dichlorophenol	8270D	173000	200000	86	190000	200000	95	50-150	10	30
2,4-Dimethylphenol	8270D	180000	200000	90	199000	200000	100	50-150	10	30
2,4-Dinitrophenol	8270D	500000 U	200000	0 *	500000 U	200000	0 *	30-178	NC	30
2,4-Dinitrotoluene	8270D	235000	200000	118	251000	200000	126	50-161	7	30
2,6-Dinitrotoluene	8270D	240000	200000	120	257000	200000	129	50-150	7	30
2-Chloronaphthalene	8270D	199000	200000	100	220000	200000	110	50-150	10	30
2-Chlorophenol	8270D	195000	200000	98	213000	200000	106	50-150	9	30
2-Methylnaphthalene	8270D	185000	200000	93	206000	200000	103	50-150	11	30
2-Methylphenol	8270D	211000	200000	106	223000	200000	112	50-150	6	30
2-Nitroaniline	8270D	233000 J	200000	116	246000 J	200000	123	50-150	5	30
2-Nitrophenol	8270D	196000	200000	98	201000	200000	100	50-150	2	30
3,3'-Dichlorobenzidine	8270D	193000	200000	97	205000	200000	102	50-150	6	30
3- and 4-Methylphenol Coelution	8270D	196000	200000	98	216000	200000	108	50-150	10	30
3-Nitroaniline	8270D	169000 J	200000	85	181000 J	200000	90	50-150	7	30
4,6-Dinitro-2-methylphenol	8270D	119000 J	200000	60	135000 J	200000	67	15-180	12	30
4-Bromophenyl Phenyl Ether	8270D	225000	200000	113	234000	200000	117	50-150	4	30
4-Chloro-3-methylphenol	8270D	170000	200000	85	180000	200000	90	39-168	6	30
4-Chloroaniline	8270D	127000	200000	63	140000	200000	70	10-86	10	30
4-Chlorophenyl Phenyl Ether	8270D	236000	200000	118	252000	200000	126	50-150	6	30
4-Nitroaniline	8270D	222000 J	200000	111	232000 J	200000	116	50-150	4	30
4-Nitrophenol	8270D	185000 J	200000	93	196000 J	200000	98	28-164	5	30
Acenaphthene	8270D	209000	200000	105	219000	200000	110	50-150	5	30
Acenaphthylene	8270D	230000	200000	115	241000	200000	120	50-150	5	30
Anthracene	8270D	222000	200000	111	230000	200000	115	50-150	4	30
Benz(a)anthracene	8270D	189000	200000	95	204000	200000	102	50-150	7	30
Benzo(a)pyrene	8270D	251000	200000	125	265000	200000	133	50-150	6	30
Benzo(b)fluoranthene	8270D	199000	200000	99	208000	200000	104	50-150	5	30

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/15/21
Sample Matrix: NonAq Liquid

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis: As Received

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2108114-02			RQ2108114-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	8270D	226000	200000	113	239000	200000	120	50-150	6	30
Benzo(k)fluoranthene	8270D	217000	200000	109	230000	200000	115	50-150	6	30
Benzyl Alcohol	8270D	215000	200000	107	229000	200000	114	50-150	6	30
2,2'-Oxybis(1-chloropropane)	8270D	219000	200000	110	231000	200000	116	50-150	5	30
Bis(2-chloroethoxy)methane	8270D	244000	200000	122	261000	200000	130	50-150	7	30
Bis(2-chloroethyl) Ether	8270D	211000	200000	105	222000	200000	111	50-150	5	30
Bis(2-ethylhexyl) Phthalate	8270D	210000	200000	105	226000	200000	113	50-150	8	30
Butyl Benzyl Phthalate	8270D	207000	200000	103	222000	200000	111	50-150	7	30
Carbazole	8270D	230000	200000	115	248000	200000	124	50-150	7	30
Chrysene	8270D	202000	200000	101	214000	200000	107	50-150	6	30
Di-n-butyl Phthalate	8270D	254000	200000	127	270000	200000	135	50-150	6	30
Di-n-octyl Phthalate	8270D	228000	200000	114	242000	200000	121	50-150	6	30
Dibenz(a,h)anthracene	8270D	223000	200000	111	232000	200000	116	50-150	4	30
Dibenzofuran	8270D	223000	200000	111	236000	200000	118	50-150	6	30
Diethyl Phthalate	8270D	221000	200000	111	224000	200000	112	50-150	<1	30
Dimethyl Phthalate	8270D	240000	200000	120	248000	200000	124	50-150	3	30
Fluoranthene	8270D	226000	200000	113	244000	200000	122	50-150	8	30
Fluorene	8270D	236000	200000	118	248000	200000	124	50-150	5	30
Hexachlorobenzene	8270D	231000	200000	115	241000	200000	121	50-150	5	30
Hexachlorobutadiene	8270D	210000	200000	105	225000	200000	112	50-150	7	30
Hexachlorocyclopentadiene	8270D	178000	200000	89	191000	200000	96	50-150	7	30
Hexachloroethane	8270D	197000	200000	99	218000	200000	109	50-150	10	30
Indeno(1,2,3-cd)pyrene	8270D	227000	200000	114	237000	200000	119	50-150	4	30
Isophorone	8270D	198000	200000	99	214000	200000	107	50-150	8	30
N-Nitrosodi-n-propylamine	8270D	191000	200000	95	204000	200000	102	47-145	7	30
N-Nitrosodimethylamine	8270D	198000	200000	99	212000	200000	106	50-150	7	30
N-Nitrosodiphenylamine	8270D	222000	200000	111	235000	200000	117	50-150	6	30
Naphthalene	8270D	204000	200000	102	213000	200000	106	50-150	4	30
Nitrobenzene	8270D	209000	200000	104	217000	200000	109	50-150	4	30
Pentachlorophenol (PCP)	8270D	500000 U	200000	0 *	500000 U	200000	0 *	10-164	NC	30
Phenanthrene	8270D	210000	200000	105	224000	200000	112	50-150	7	30
Phenol	8270D	190000	200000	95	203000	200000	102	50-150	7	30
Pyrene	8270D	204000	200000	102	215000	200000	107	50-150	5	30

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

Sample Name	Lab Code	2,4,6-Tribromophenol 10-109	2-Fluorobiphenyl 10-102	2-Fluorophenol 10-88
SB-1 0-2ft	R2106645-001	77	64	69
SB-2 0-2ft	R2106645-002	71	62	63
SB-4 0-2ft	R2106645-003	32	36	38
SB-3 0-2ft	R2106645-004	69	53	57
SB-5 0-3ft	R2106645-005	68	54	50
Method Blank	RQ2108046-01	78	63	64
Method Blank	RQ2108046-01	71	59	60
Method Blank	RQ2108116-01	68	51	53
Method Blank	RQ2108116-01	65	45	53
Lab Control Sample	RQ2108046-02	72	72	61
Duplicate Lab Control Sample	RQ2108046-03	70	77	69
Lab Control Sample	RQ2108116-02	79	55	49
Duplicate Lab Control Sample	RQ2108116-03	80	59	47

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Extraction Method: EPA 3546

		Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
Sample Name	**Lab Code**	**10-95**	**10-145**	**10-106**
SB-1 0-2ft	R2106645-001	66	64	92
SB-2 0-2ft	R2106645-002	58	58	90
SB-4 0-2ft	R2106645-003	34	31	41
SB-3 0-2ft	R2106645-004	52	53	88
SB-5 0-3ft	R2106645-005	46	51	79
Method Blank	RQ2108046-01	58	60	103
Method Blank	RQ2108046-01	55	55	101
Method Blank	RQ2108116-01	49	54	80
Method Blank	RQ2108116-01	47	52	73
Lab Control Sample	RQ2108046-02	62	62	105
Duplicate Lab Control Sample	RQ2108046-03	71	68	99
Lab Control Sample	RQ2108116-02	42	55	91
Duplicate Lab Control Sample	RQ2108116-03	46	52	88

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108046-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	330 U	330	1	07/14/21 09:40	7/9/21	
m,p-Cresols	330 U	330	1	07/14/21 09:40	7/9/21	
Acenaphthene	330 U	330	1	07/14/21 09:40	7/9/21	
Acenaphthylene	330 U	330	1	07/14/21 09:40	7/9/21	
Anthracene	330 U	330	1	07/14/21 09:40	7/9/21	
Benz(a)anthracene	330 U	330	1	07/14/21 09:40	7/9/21	
Benzo(a)pyrene	330 U	330	1	07/14/21 09:40	7/9/21	
Benzo(b)fluoranthene	330 U	330	1	07/14/21 09:40	7/9/21	
Benzo(g,h,i)perylene	330 U	330	1	07/14/21 09:40	7/9/21	
Benzo(k)fluoranthene	330 U	330	1	07/14/21 09:40	7/9/21	
Chrysene	330 U	330	1	07/14/21 09:40	7/9/21	
Dibenz(a,h)anthracene	330 U	330	1	07/14/21 09:40	7/9/21	
Dibenzofuran	330 U	330	1	07/14/21 09:40	7/9/21	
Fluoranthene	330 U	330	1	07/14/21 09:40	7/9/21	
Fluorene	330 U	330	1	07/14/21 09:40	7/9/21	
Hexachlorobenzene	330 U	330	1	07/14/21 09:40	7/9/21	
Indeno(1,2,3-cd)pyrene	330 U	330	1	07/14/21 09:40	7/9/21	
Naphthalene	330 U	330	1	07/14/21 09:40	7/9/21	
Pentachlorophenol	1700 U	1700	1	07/14/21 09:40	7/9/21	
Phenanthrene	330 U	330	1	07/14/21 09:40	7/9/21	
Phenol	330 U	330	1	07/14/21 09:40	7/9/21	
Pyrene	330 U	330	1	07/14/21 09:40	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	10 - 109	07/14/21 09:40	
2-Fluorobiphenyl	63	10 - 102	07/14/21 09:40	
2-Fluorophenol	64	10 - 88	07/14/21 09:40	
Nitrobenzene-d5	58	10 - 95	07/14/21 09:40	
Phenol-d6	60	10 - 145	07/14/21 09:40	
p-Terphenyl-d14	103	10 - 106	07/14/21 09:40	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108046-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	330 U	330	1	07/19/21 21:17	7/9/21	
m,p-Cresols	330 U	330	1	07/19/21 21:17	7/9/21	
Acenaphthene	330 U	330	1	07/19/21 21:17	7/9/21	
Acenaphthylene	330 U	330	1	07/19/21 21:17	7/9/21	
Anthracene	330 U	330	1	07/19/21 21:17	7/9/21	
Benz(a)anthracene	330 U	330	1	07/19/21 21:17	7/9/21	
Benzo(a)pyrene	330 U	330	1	07/19/21 21:17	7/9/21	
Benzo(b)fluoranthene	330 U	330	1	07/19/21 21:17	7/9/21	
Benzo(g,h,i)perylene	330 U	330	1	07/19/21 21:17	7/9/21	
Benzo(k)fluoranthene	330 U	330	1	07/19/21 21:17	7/9/21	
Chrysene	330 U	330	1	07/19/21 21:17	7/9/21	
Dibenz(a,h)anthracene	330 U	330	1	07/19/21 21:17	7/9/21	
Dibenzofuran	330 U	330	1	07/19/21 21:17	7/9/21	
Fluoranthene	330 U	330	1	07/19/21 21:17	7/9/21	
Fluorene	330 U	330	1	07/19/21 21:17	7/9/21	
Hexachlorobenzene	330 U	330	1	07/19/21 21:17	7/9/21	
Indeno(1,2,3-cd)pyrene	330 U	330	1	07/19/21 21:17	7/9/21	
Naphthalene	330 U	330	1	07/19/21 21:17	7/9/21	
Pentachlorophenol	1700 U	1700	1	07/19/21 21:17	7/9/21	
Phenanthrene	330 U	330	1	07/19/21 21:17	7/9/21	
Phenol	330 U	330	1	07/19/21 21:17	7/9/21	
Pyrene	330 U	330	1	07/19/21 21:17	7/9/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	71	10 - 109	07/19/21 21:17	
2-Fluorobiphenyl	59	10 - 102	07/19/21 21:17	
2-Fluorophenol	60	10 - 88	07/19/21 21:17	
Nitrobenzene-d5	55	10 - 95	07/19/21 21:17	
Phenol-d6	55	10 - 145	07/19/21 21:17	
p-Terphenyl-d14	101	10 - 106	07/19/21 21:17	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108116-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	320 U	320	1	07/15/21 08:18	7/12/21	
m,p-Cresols	320 U	320	1	07/15/21 08:18	7/12/21	
Acenaphthene	320 U	320	1	07/15/21 08:18	7/12/21	
Acenaphthylene	320 U	320	1	07/15/21 08:18	7/12/21	
Anthracene	320 U	320	1	07/15/21 08:18	7/12/21	
Benz(a)anthracene	320 U	320	1	07/15/21 08:18	7/12/21	
Benzo(a)pyrene	320 U	320	1	07/15/21 08:18	7/12/21	
Benzo(b)fluoranthene	320 U	320	1	07/15/21 08:18	7/12/21	
Benzo(g,h,i)perylene	320 U	320	1	07/15/21 08:18	7/12/21	
Benzo(k)fluoranthene	320 U	320	1	07/15/21 08:18	7/12/21	
Chrysene	320 U	320	1	07/15/21 08:18	7/12/21	
Dibenz(a,h)anthracene	320 U	320	1	07/15/21 08:18	7/12/21	
Dibenzofuran	320 U	320	1	07/15/21 08:18	7/12/21	
Fluoranthene	320 U	320	1	07/15/21 08:18	7/12/21	
Fluorene	320 U	320	1	07/15/21 08:18	7/12/21	
Hexachlorobenzene	320 U	320	1	07/15/21 08:18	7/12/21	
Indeno(1,2,3-cd)pyrene	320 U	320	1	07/15/21 08:18	7/12/21	
Naphthalene	320 U	320	1	07/15/21 08:18	7/12/21	
Pentachlorophenol	1600 U	1600	1	07/15/21 08:18	7/12/21	
Phenanthrene	320 U	320	1	07/15/21 08:18	7/12/21	
Phenol	320 U	320	1	07/15/21 08:18	7/12/21	
Pyrene	320 U	320	1	07/15/21 08:18	7/12/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	10 - 109	07/15/21 08:18	
2-Fluorobiphenyl	51	10 - 102	07/15/21 08:18	
2-Fluorophenol	53	10 - 88	07/15/21 08:18	
Nitrobenzene-d5	49	10 - 95	07/15/21 08:18	
Phenol-d6	54	10 - 145	07/15/21 08:18	
p-Terphenyl-d14	80	10 - 106	07/15/21 08:18	

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108116-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
o-Cresol	320 U	320	1	07/21/21 19:22	7/12/21	
m,p-Cresols	320 U	320	1	07/21/21 19:22	7/12/21	
Acenaphthene	320 U	320	1	07/21/21 19:22	7/12/21	
Acenaphthylene	320 U	320	1	07/21/21 19:22	7/12/21	
Anthracene	320 U	320	1	07/21/21 19:22	7/12/21	
Benz(a)anthracene	320 U	320	1	07/21/21 19:22	7/12/21	
Benzo(a)pyrene	320 U	320	1	07/21/21 19:22	7/12/21	
Benzo(b)fluoranthene	320 U	320	1	07/21/21 19:22	7/12/21	
Benzo(g,h,i)perylene	320 U	320	1	07/21/21 19:22	7/12/21	
Benzo(k)fluoranthene	320 U	320	1	07/21/21 19:22	7/12/21	
Chrysene	320 U	320	1	07/21/21 19:22	7/12/21	
Dibenz(a,h)anthracene	320 U	320	1	07/21/21 19:22	7/12/21	
Dibenzofuran	320 U	320	1	07/21/21 19:22	7/12/21	
Fluoranthene	320 U	320	1	07/21/21 19:22	7/12/21	
Fluorene	320 U	320	1	07/21/21 19:22	7/12/21	
Hexachlorobenzene	320 U	320	1	07/21/21 19:22	7/12/21	
Indeno(1,2,3-cd)pyrene	320 U	320	1	07/21/21 19:22	7/12/21	
Naphthalene	320 U	320	1	07/21/21 19:22	7/12/21	
Pentachlorophenol	1600 U	1600	1	07/21/21 19:22	7/12/21	
Phenanthrene	320 U	320	1	07/21/21 19:22	7/12/21	
Phenol	320 U	320	1	07/21/21 19:22	7/12/21	
Pyrene	320 U	320	1	07/21/21 19:22	7/12/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	10 - 109	07/21/21 19:22	
2-Fluorobiphenyl	45	10 - 102	07/21/21 19:22	
2-Fluorophenol	53	10 - 88	07/21/21 19:22	
Nitrobenzene-d5	47	10 - 95	07/21/21 19:22	
Phenol-d6	52	10 - 145	07/21/21 19:22	
p-Terphenyl-d14	73	10 - 106	07/21/21 19:22	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/14/21
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2108046-02			RQ2108046-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Cresol	8270D	2520	3420	74	2950	3560	83	47-90	16	30
m,p-Cresols	8270D	2360	3420	69	2920	3560	82	47-90	21	30
Acenaphthene	8270D	2860	3420	83	3000	3560	84	52-91	5	30
Acenaphthylene	8270D	3010	3420	88	3330	3560	94	53-97	10	30
Anthracene	8270D	3310	3420	97	3460	3560	97	63-98	4	30
Benz(a)anthracene	8270D	3280	3420	96	3340	3560	94	59-99	2	30
Benzo(a)pyrene	8270D	4190	3420	122	4340	3560	122	71-129	4	30
Benzo(b)fluoranthene	8270D	3500	3420	102 *	3640	3560	102 *	59-101	4	30
Benzo(g,h,i)perylene	8270D	3260	3420	95	3390	3560	95	67-113	4	30
Benzo(k)fluoranthene	8270D	3560	3420	104	3640	3560	102	64-107	2	30
Chrysene	8270D	3480	3420	102	3480	3560	98	62-103	<1	30
Dibenz(a,h)anthracene	8270D	3490	3420	102	3580	3560	101	58-119	3	30
Dibenzofuran	8270D	2970	3420	87	3140	3560	88	52-93	6	30
Fluoranthene	8270D	3400	3420	99	3580	3560	100	59-104	5	30
Fluorene	8270D	2940	3420	86	3200	3560	90	54-93	8	30
Hexachlorobenzene	8270D	2830	3420	83	3170	3560	89	55-97	11	30
Indeno(1,2,3-cd)pyrene	8270D	3500	3420	102	3490	3560	98	64-114	<1	30
Naphthalene	8270D	2330	3420	68	2720	3560	77	48-85	16	30
Pentachlorophenol	8270D	2960	3420	86	3170	3560	89	34-118	7	30
Phenanthrene	8270D	3280	3420	96 *	3410	3560	96 *	60-95	4	30
Phenol	8270D	2490	3420	73	2850	3560	80	44-90	14	30
Pyrene	8270D	3620	3420	106	3650	3560	102	65-107	<1	30

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/15/21
Sample Matrix: Soil

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS using Microwave Digestion

Units:ug/Kg
Basis: Dry

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2108116-02			RQ2108116-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
o-Cresol	8270D	1940	3310	59	1930	3470	56	47-90	<1	30
m,p-Cresols	8270D	2000	3310	61	1980	3470	57	47-90	1	30
Acenaphthene	8270D	2070	3310	62	2260	3470	65	52-91	9	30
Acenaphthylene	8270D	2260	3310	68	2510	3470	72	53-97	10	30
Anthracene	8270D	2910	3310	88	2950	3470	85	63-98	1	30
Benz(a)anthracene	8270D	2800	3310	85	2920	3470	84	59-99	4	30
Benzo(a)pyrene	8270D	3710	3310	112	3770	3470	109	71-129	1	30
Benzo(b)fluoranthene	8270D	3020	3310	91	3090	3470	89	59-101	2	30
Benzo(g,h,i)perylene	8270D	3070	3310	93	3100	3470	89	67-113	1	30
Benzo(k)fluoranthene	8270D	3180	3310	96	3200	3470	92	64-107	<1	30
Chrysene	8270D	2920	3310	88	3020	3470	87	62-103	3	30
Dibenz(a,h)anthracene	8270D	2770	3310	84	2810	3470	81	58-119	1	30
Dibenzofuran	8270D	2370	3310	72	2520	3470	73	52-93	6	30
Fluoranthene	8270D	3040	3310	92	3010	3470	87	59-104	1	30
Fluorene	8270D	2470	3310	74	2670	3470	77	54-93	8	30
Hexachlorobenzene	8270D	2580	3310	78	2590	3470	75	55-97	<1	30
Indeno(1,2,3-cd)pyrene	8270D	3120	3310	94	3160	3470	91	64-114	1	30
Naphthalene	8270D	1350	3310	41 *	1690	3470	49	48-85	23	30
Pentachlorophenol	8270D	2600	3310	79	2640	3470	76	34-118	1	30
Phenanthrene	8270D	2840	3310	86	2900	3470	84	60-95	2	30
Phenol	8270D	2040	3310	61	1990	3470	57	44-90	2	30
Pyrene	8270D	3090	3310	93	3200	3470	92	65-107	3	30

Semivolatile Organic Compounds by GC

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Phone (585) 288-5380 Fax (585) 288-8475
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Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: NonAq Liquid

SURROGATE RECOVERY SUMMARY
Diesel Range Organics by GC

Analysis Method: 8015C
Extraction Method: EPA 3580A

Sample Name	Lab Code	o-Terphenyl 55-116
SB-4 5-10	R2106645-006	210*
Method Blank	RQ2108186-01	92
Lab Control Sample	RQ2108186-02	87
Duplicate Lab Control Sample	RQ2108186-03	95

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	NonAq Liquid	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108186-01	**Basis:**	As Received

Diesel Range Organics by GC

Analysis Method: 8015C
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Diesel Range Organics (DRO) as C10-C28 Alkanes	1000000 U	1000000	1	07/19/21 18:46	7/13/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	92	55 - 116	07/19/21 18:46	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/19/21
Sample Matrix: NonAq Liquid

Duplicate Lab Control Sample Summary
Diesel Range Organics by GC

Units:ug/Kg
Basis: As Received

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2108186-02			RQ2108186-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Diesel Range Organics (DRO) as C10-C28 Alkanes	8015C	1210000	1250000	97	1260000	1250000	101	50-104	4	50

Client: BE3 **Service Request:** R2106645
Project: Hempstead
Sample Matrix: NonAq Liquid

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3580A

Sample Name	Lab Code	Decachlorobiphenyl 44-131	Tetrachloro-m-xylene 33-139
SB-4 5-10	R2106645-006	83	54
Method Blank	RQ2108674-01	88	81
Lab Control Sample	RQ2108674-02	91	86
Duplicate Lab Control Sample	RQ2108674-03	95	87

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	NonAq Liquid	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	RQ2108674-01	**Basis:**	As Received

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3580A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2000 U	2000	1	07/22/21 22:45	7/21/21	
Aroclor 1221	4000 U	4000	1	07/22/21 22:45	7/21/21	
Aroclor 1232	2000 U	2000	1	07/22/21 22:45	7/21/21	
Aroclor 1242	2000 U	2000	1	07/22/21 22:45	7/21/21	
Aroclor 1248	2000 U	2000	1	07/22/21 22:45	7/21/21	
Aroclor 1254	2000 U	2000	1	07/22/21 22:45	7/21/21	
Aroclor 1260	2000 U	2000	1	07/22/21 22:45	7/21/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	88	44 - 131	07/22/21 22:45	
Tetrachloro-m-xylene	81	33 - 139	07/22/21 22:45	

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QA/QC Report

Client: BE3
Project: Hempstead
Sample Matrix: NonAq Liquid

Service Request: R2106645
Date Analyzed: 07/22/21

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis: As Received

			Lab Control Sample RQ2108674-02			Duplicate Lab Control Sample RQ2108674-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	18200	20000	91	19000	20000	95	40-140	4	30
Aroclor 1260	8082A	18400	20000	92	19000	20000	95	53-127	3	30

Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	NonAq Liquid	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	RQ2107797-01	**Basis:**	As Received

NY Hydrocarbon Scan, Modified to Combine Methods 310-13, -14, and -15, and for Matrix

Analysis Method: NY 310-13 Modified
Prep Method: EPA 3580A

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Fuel Oil No. 2	1000	U	1000	1	07/08/21 17:12	7/6/21	
Fuel Oil No. 4	1000	U	1000	1	07/08/21 17:12	7/6/21	
Fuel Oil No. 6	1000	U	1000	1	07/08/21 17:12	7/6/21	
Gasoline	**Absence**		-	1	07/08/21 17:12	7/6/21	
Kerosene	1000	U	1000	1	07/08/21 17:12	7/6/21	
Lube Oil	**Absence**		-	1	07/08/21 17:12	7/6/21	
n-Dodecane	1000	U	1000	1	07/08/21 17:12	7/6/21	

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/08/21
Sample Matrix: NonAq Liquid

Duplicate Lab Control Sample Summary
NY Hydrocarbon Scan, Modified to Combine Methods 310-13, -14, and -15, and for Matrix

Units:mg/Kg
Basis: As Received

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2107797-02			RQ2107797-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Fuel Oil No. 2	NY 310-13 Modified	4950	5050	98	4680	4900	96	46-150	6	30

Metals

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Analytical Report

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	R2106645-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Barium, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Beryllium, Total	6010C	0.30 U	mg/Kg	0.30	1	07/09/21 21:45	07/08/21	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	07/09/21 21:45	07/08/21	
Chromium, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Copper, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Lead, Total	6010C	5.0 U	mg/Kg	5.0	1	07/09/21 21:45	07/08/21	
Manganese, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Mercury, Total	7471B	0.033 U	mg/Kg	0.033	1	07/07/21 12:32	07/06/21	
Nickel, Total	6010C	4.0 U	mg/Kg	4.0	1	07/09/21 21:45	07/08/21	
Selenium, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Silver, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Zinc, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	

Client:	BE3	**Service Request:**	R2106645
Project:	Hempstead	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	R2106645-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Barium, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Beryllium, Total	6010C	0.30 U	mg/Kg	0.30	1	07/09/21 21:45	07/08/21	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	07/09/21 21:45	07/08/21	
Chromium, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Copper, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Lead, Total	6010C	5.0 U	mg/Kg	5.0	1	07/09/21 21:45	07/08/21	
Manganese, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	
Nickel, Total	6010C	4.0 U	mg/Kg	4.0	1	07/09/21 21:45	07/08/21	
Selenium, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Silver, Total	6010C	1.0 U	mg/Kg	1.0	1	07/09/21 21:45	07/08/21	
Zinc, Total	6010C	2.0 U	mg/Kg	2.0	1	07/09/21 21:45	07/08/21	

Client: BE3
Project: Hempstead
Sample Matrix: Soil

Service Request: R2106645
Date Analyzed: 07/07/21 - 07/09/21

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
R2106645-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total	6010C	3.96	4.0	99	80-120
Barium, Total	6010C	207	200	104	80-120
Beryllium, Total	6010C	5.03	5.00	101	80-120
Cadmium, Total	6010C	5.27	5.00	105	80-120
Chromium, Total	6010C	20.9	20.0	105	80-120
Copper, Total	6010C	25.2	25.0	101	80-120
Lead, Total	6010C	52.1	50.0	104	80-120
Manganese, Total	6010C	51.1	50.0	102	80-120
Mercury, Total	7471B	0.157	0.167	94	80-120
Nickel, Total	6010C	53.0	50.0	106	80-120
Selenium, Total	6010C	86.7	101	86	80-120
Silver, Total	6010C	4.79	5.0	96	80-120
Zinc, Total	6010C	50.2	50.0	100	80-120

Client: BE3 **Service Request:** R2106645
Project: Hempstead **Date Analyzed:** 07/09/21
Sample Matrix: Soil

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
R2106645-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total	6010C	3.96	4.0	99	80-120
Barium, Total	6010C	207	200	104	80-120
Beryllium, Total	6010C	5.03	5.00	101	80-120
Cadmium, Total	6010C	5.27	5.00	105	80-120
Chromium, Total	6010C	20.9	20.0	105	80-120
Copper, Total	6010C	25.2	25.0	101	80-120
Lead, Total	6010C	52.1	50.0	104	80-120
Manganese, Total	6010C	51.1	50.0	102	80-120
Nickel, Total	6010C	53.0	50.0	106	80-120
Selenium, Total	6010C	86.7	101	86	80-120
Silver, Total	6010C	4.79	5.0	96	80-120
Zinc, Total	6010C	50.2	50.0	100	80-120

Subcontracted Analytical Parameters

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301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

July 7, 2021

Reports and Invoices
ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, NY 14623

Certificate of Analysis

Project Name:	**R2106645**	Workorder:	**3186184**
Purchase Order:	**58R22106645**	Workorder ID:	**R2106645**

Dear Reports Invoices:

Enclosed are the analytical results for samples received by the laboratory on Saturday, July 3, 2021.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Sarah S Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Michael Chevalier , Mr. Brady Kalkman , Ms. Janice Jaeger

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Sarah S Leung
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3186184 R2106645

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3186184001	SB-4 5-10	Oil/Other	6/30/2021 15:45	7/3/2021 08:50	Collected by Client

SAMPLE SUMMARY

Workorder: 3186184 R2106645

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

C	Please reference the Project Summary section of this Certificate of Analysis for case narrative comments.
J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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PROJECT SUMMARY

Workorder: 3186184 R2106645

Workorder Comments

Temperature of sample taken at time of sample receipt in the laboratory. See chain of custody for actual temperature.

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ANALYTICAL RESULTS

Workorder: 3186184 R2106645

Lab ID: **3186184001** Date Collected: 6/30/2021 15:45 Matrix: Oil/Other

Sample ID: **SB-4 5-10** Date Received: 7/3/2021 08:50

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
GASOLINE RANGE ORGANICS										
Gasoline Range Organics	1690000	C	ug/kg	229000	SW846 8015D	7/6/21 04:30	CHS	7/6/21 15:14	CHS	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
a,a,a-Trifluorotoluene (S)	94.6	C	%	72 - 134	SW846 8015D	7/6/21 04:30	CHS	7/6/21 15:14	CHS	A

Ms. Sarah S Leung
Project Coordinator

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3186184 R2106645

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3186184001	SB-4 5-10	SW846 8015D	SW846 5035	

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QUALITY CONTROL DATA

Workorder: 3186184 R2106645

QC Batch: VOGC/10904 **Analysis Method:** SW846 8015D

QC Batch Method: SW846 5035

Associated Lab Samples: 3186184001

METHOD BLANK: 3355076

Parameter	Blank Result	Units	Reporting Limit
Gasoline Range Organics	ND	ug/kg	10000
a,a,a-Trifluorotoluene (S)	130	%	72 - 134

LABORATORY CONTROL SAMPLE: 3355077

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Gasoline Range Organics	127	ug/kg	100000	127000	73 - 133
a,a,a-Trifluorotoluene (S)	117	%			72 - 134

MATRIX SPIKE: 3355078 DUPLICATE: 3355079 ORIGINAL: 3185246018

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	414.251	ug/kg	98800	113178	122413	114	123	73 - 133	7.84	18
a,a,a-Trifluorotoluene (S)	118	%				118	122	72 - 134		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3186184 R2106645

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3186184001	SB-4 5-10	SW846 5035	VOGC/10904	SW846 8015D	VOGC/10905

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Brady Kalkman

Project Number: R2106645
Project Manager: Brady Kalkman
QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	VOC GRO Unp 8015C
~~R2106645-006~~	~~SB-JJ~~ 5-10 SB-4	1	NonAq Liquid	6/30/21	1545	Middletown ALS	X

G/UNP MK 7/3/21

50

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
H - Test is On Hold P - Test is Authorized for Prep Only	____RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___ STANDARD Requested FAX Date: ____ Requested Report Date: 07/16/21	___ I. Results Only _X_ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J N EDD N	PO# 58R2106645 Bill to

Relinquished By: [signature] 7/2/21 / 1410 FE

Received By: FE RAC

Airbill Number: 7/3/21 850

R2106645

X **Ship To: Middletown ALS**
ALS Environmental - Middletown
301 Fulling Mill Rd.
Middletown, PA 17057

PC _____ Date _____

SMO _____ Date _____

Instructions:

Ice _____

Dry Ice _____

No Ice _____

Shipping:

Overnight _____

2nd Day _____

Ground _____

Bill to Client Account _____

Comments:

ALS Environmental

PURCHASE ORDER

FOR SUBCONTRACTED ANALYSES

Service Request: R2106645

Date: 7/2/2021
Contact: Brady Kalkman
Email: Brady.Kalkman@alsglobal.com

Company: ALS Environmental - Middletown
Address: 301 Fulling Mill Rd.
Middletown PA, 17057
Phone: 717-944-5541

Bill To: ALS Environmental
1565 Jefferson Rd, Building 300, Suite 360
Rochester NY, 14623

Phone: 585-288-5380

Ship To: ALS Environmental
1565 Jefferson Rd, Building 300, Suite 360
Rochester NY, 14623

Phone: 585-288-5380

Item/Description	Quantity	Unit Price	
8015C/VOC GRO Unp	1	~~60.00~~	45.00

Comments:

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-554
F: (717) 944-14

Condition of Sample Receipt Form

3186184

Client: ALS Environmental – Rochester

Initials: MAC

Date: 7/3/21

1. Were airbills / tracking numbers present and recorded?	NONE	(YES)	NO
Tracking number: 9889 5094 5583 | 9889 5094 5572			
2. Are Custody Seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		YES	(NO)
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name?		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles? UNP		YES	(NO)
5e. Does the COC note the number of bottles submitted for each sample?		(YES)	NO
5f. Does the COC note the type of sample, composite or grab?		YES	(NO)
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?[1]	(N/A)	YES	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0°C		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	N/A	YES	NO
13b. Did the client provide a SDWA PWS ID#?	N/A	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	N/A	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	N/A	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	N/A	YES	NO

Cooler #: _____

Temperature (°C): 5

Thermometer ID: S73

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020

APPENDIX 3

BORING LOGS

Geoprobe

Bore Hole Log

BE3CORP
BRYDGES ENGINEERING IN ENVIRONMENT & ENERGY
960 Busti Avenue, Suite B-150
Buffalo, NY 14213
716.249.6880 be3corp.com

Project:			
Client:	STEL	Location:	
Contractor:	Nature's way	Lat/Long:	Lat: Long:
Date Started:	6/19/2020	Equipment Model:	Geoprobe 54LT and 4ft Sampler
Date Completed:	6/19/2020	Geologist/Technician:	P. Gorton
Operator:	Nature's way	Ground Water:	
Bore Hole Number:	**BH-1**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0				0.0	
					0-0.5 feet- Concrete
1					
2					
3					
4					
5					0.5-5 feet- Redish brown … - gravel/ stone white
6					5-6 feet redish brown … - gravel/stone white
7					
8					
9					
10					6-10 feet redish brown sand(course) some gravel
11					
12					10-12 feet- redish brown sand (course) some gravel
13					
14					
15					11-15 feet- light brown (tan) less course sand
16					
17					
18					
19					
20					15-20 feet- light brown (tan) less course sand, wet at 14-20

Comments: no odor- no PID
Photo 4- Cores
Photos 1-3 - location
1-3 feet- Took metals and SVOC sample
19 feet- Took VOC sample

Geoprobe

Bore Hole Log

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Buffalo, NY 14213
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Project:			
Client:	STEL	Location:	
Contractor:	Nature's way	Lat/Long:	Lat: Long:
Date Started:	6/19/2020	Equipment Model:	Geoprobe 54LT and 4ft Sampler
Date Completed:	6/19/2020	Geologist/Technician:	P. Gorton
Operator:	Nature's way	Ground Water:	
Bore Hole Number:	**BH-2**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0				0.0	
					0-0.5 feet- Concrete
1					
2					
3					
4					
5					0.5-5 feet- sand & gravel red/brown
6					
7					
8					
9					
10					5-10 feet redish brown sand & gravel
11					
12					
13					
14					
15					10-15 feet- redish brown sand & gravel
16					
17					
18					
19					
20					15-20 feet- light brown (tan) less course sand, wet at 14-20

Comments: no odor- no PID
Photo 21- Cores
19 feet- Took VOC sample
1-3 feet- took metal and SVOC sample

Geoprobe

Bore Hole Log

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Buffalo, NY 14213
716.249.6880 be3corp.com

Project:			
Client:	STEL	Location:	
Contractor:	Nature's way	Lat/Long:	Lat: Long:
Date Started:	6/19/2020	Equipment Model:	Geoprobe 54LT and 4ft Sampler
Date Completed:	6/19/2020	Geologist/Technician:	P. Gorton
Operator:	Nature's way	Ground Water:	
Bore Hole Number:	**BH-3**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0				0.0	
					0-0.5 feet- Asphalt
1					
2					0.5-2 feet- dark brown sand & gravel- course
3					
4					
5					2-5 feet- light brown/red sand & gravel- white stone quartz
6					
7					
8					
9					5-9 feet- red/brown sand & gravel, coarse
10					9-10 feet light brown sand, less coarse
11					
12					
13					
14					
15					10-15 feet- red/brown sand & gravel
16					
17					15-17 feet- red/brown sand & gravel
18					
19					
20					17-20 feet- light brown sand, wet

Comments: no odor- no PID
Photo 24- Cores
Took metals and SVOC at 0.5-2 feet
Took VOC at 18-19 feet
Set temp water well
Photo 25- temp well
Photos 21-23- location

Geoprobe

Bore Hole Log

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Project:			
Client:	STEL	Location:	
Contractor:	Nature's way	Lat/Long:	Lat: Long:
Date Started:	6/19/2020	Equipment Model:	Geoprobe 54LT and 4ft Sampler
Date Completed:	6/19/2020	Geologist/Technician:	P. Gorton
Operator:	Nature's way	Ground Water:	
Bore Hole Number:	**BH-4**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0				0.0	
					0-0.5 feet- Concrete/Asphalt
1					
2					
3					0.5-3 feet- Coarse silty sand & gravel
4					
					3-4.5 feet- sandy silty clay, soft, red/brown
5					4.5-5 feet- Coarse sand & gravel
6					
7					
8					
9					
10					5-10 feet- coarse red/brown sandy gravel
11					
12					
13					
14					
					14.5 feet- dark brown/red coarse sand & gravel
15					10-15 feet- red/brown sand & gravel
16					
17					
18					15-18 feet- red/brown coarse sand & gravel
19					
20				2-5 ppm	18-20 feet- tan-darkgrey sand & gravel, less coarse/moist

Comments: odor
Photo 29- Cores
Took metals and SVOC at 0.5-2 feet
Took VOC at 18-19 feet
Photos 26-28- location

Geoprobe

Bore Hole Log

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Project:			
Client:	STEL	Location:	
Contractor:	Nature's way	Lat/Long:	Lat: Long:
Date Started:	6/19/2020	Equipment Model:	Geoprobe 54LT and 4ft Sampler
Date Completed:	6/19/2020	Geologist/Technician:	P. Gorton
Operator:	Nature's way	Ground Water:	
Bore Hole Number:	**BH-5**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0				0.0	
1					
2					0-2 feet- dark brown sand & gravel
3					
4					
5				0.5	2-5 feet- light tan/red sand & gravel, coarse
6					
7					
8					
9					
10					5-10 feet- red/brown sand & gravel, coarse
11					
12					
13					
14					
15					10-15 feet- red/brown sand & gravel, coarse
16					
17					15-17 feet- red/brown sand & gravel, coarse
18					
19					
20					17-20 feet- light brown-tan, less coarse

Comments:
Photos 30-33- location
Took metals and SVOC at 0-3 feet
Took VOC at 17-19 feet

Geoprobe
Bore Hole Log

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Buffalo, NY 14213
716.249.6880 be3corp.com

Project:		301-309 PENINSULA BLVD HEMPSTEAD, NEW YORK	
Client:	STEL	Location:	301-309 Peninsula Blvd, Hempstead NY
Contractor:	ADT	Lat/Long:	Lat: Long:
Date Started:	6/30/2021	Equipment Model:	Geoprobe and 5ft Sampler/hand auger
Date Completed:	6/30/2021	Geologist/Technician:	P. Gorton
Operator:	ADT	Ground Water:	
Bore Hole Number:	**SB-1**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0					
1					0-1 foot - cement
2					1-2 feet - coarse sand and gravel - brown, wet
3					2-3 feet - fine red-brown sand & gravel - moist
4					
5					3-5 feet - fine red-brown sand & gravel - less moist
					Borehole complete at 5 feet
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments: 0 PPM on PID
Note, Hand Auger used due to building height limitations - Soil Sample from 0-2 feet below concrete floor

Geoprobe
Bore Hole Log

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Buffalo, NY 14213
716.249.6880 be3corp.com

Project:		301-309 PENINSULA BLVD HEMPSTEAD, NEW YORK	
Client:	STEL	Location:	301-309 Peninsula Blvd, Hempstead NY
Contractor:	ADT	Lat/Long:	Lat: Long:
Date Started:	6/30/2021	Equipment Model:	Geoprobe and 5ft Sampler/hand auger
Date Completed:	6/30/2021	Geologist/Technician:	P. Gorton
Operator:	ADT	Ground Water:	
Bore Hole Number:	**SB-2**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0					
1					0-0.6 feett - cement
2					1-2 feet - coarse sand and gravel - brown, large gravel
3					2-3 feet - fine red-brown sand & gravel -less corse
4					
5					3-5 feet - light-brown sand & gravel - moist
6					
7					
8					
9					
10					5-10 feet - light-brown sand & gravel - moist
					Borehole complete at 10 feet
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Comments: 0 PPM on PID
Note, Hand Auger used due to building height limitations - Soil Sample from 0-2 feet below concrete floor

Geoprobe
Bore Hole Log

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960 Busti Avenue, Suite B-150
Buffalo, NY 14213
716.249.6880 be3corp.com

Project:		301-309 PENINSULA BLVD HEMPSTEAD, NEW YORK	
Client:	STEL	Location:	301-309 Peninsula Blvd, Hempstead NY
Contractor:	ADT	Lat/Long:	Lat: Long:
Date Started:	6/30/2021	Equipment Model:	Geoprobe and 5ft Sampler
Date Completed:	6/30/2021	Geologist/Technician:	P. Gorton
Operator:	ADT	Ground Water:	
Bore Hole Number:	**SB-3**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0					
1					0-1 feett - cement
2					
3					
4					
5					1-5 feet - light brown sand & gravel
6					
7					
8					
9					
10					5-10 feet - light-brown sand & gravel
11					
12					
13					
14					
15					10-15 feet - red-brown sand & gravel
16					
17					
18					15-18 feet - red-brwon sand & gravel
19					
20					
					18-23 feet - brown sand & gravel
25					23-25 feet - dark brown sand & gravel; water at 24 feet
30					Set temporary well at 30 feet

Comments: 0 PPM on PID
Soil Sample from 0-2 feet below concrete floor
water sample from temporary well set at 30 feet

Geoprobe
Bore Hole Log

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960 Busti Avenue, Suite B-150
Buffalo, NY 14213
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Project:		301-309 PENINSULA BLVD HEMPSTEAD, NEW YORK	
Client:	STEL	Location:	301-309 Peninsula Blvd, Hempstead NY
Contractor:	ADT	Lat/Long:	Lat: Long:
Date Started:	6/30/2021	Equipment Model:	Geoprobe and 5ft Sampler
Date Completed:	6/30/2021	Geologist/Technician:	P. Gorton
Operator:	ADT	Ground Water:	
Bore Hole Number:	**SB-4**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0					
1					0-1 feet - cement
2					
3					
4					
5					1-5 feet - some red-brown sand and gravel followed by dark brown -
6					
7					
8					
9					
10					5-10 feet - black oily material/liquid - viscous
					Abandoned boreing - possible tank
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
25					
30					

Comments: 0 PPM on PID
Soil Sample from 0-2 feet below concrete floor
Oilly material sample collected

Geoprobe
Bore Hole Log

BE3CORP
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Project:		301-309 PENINSULA BLVD HEMPSTEAD, NEW YORK	
Client:	STEL	Location:	301-309 Peninsula Blvd, Hempstead NY
Contractor:	ADT	Lat/Long:	Lat: Long:
Date Started:	6/30/2021	Equipment Model:	Geoprobe and 5ft Sampler
Date Completed:	6/30/2021	Geologist/Technician:	P. Gorton
Operator:	ADT	Ground Water:	
Bore Hole Number:	**SB-5**	Depth to Bedrock:	N/A

Depth (Ft)	Sample NO	Sample TYPE	REC	PID (ppm)	Description
0					
1					0-1 feett - cement
2					
3					1-3.5 feet - silty sand with cinder - dark brown-black
4					
5					3.5-5 feet - brown sand & gravel
6					
7					
8					
9					
10					5-10 feet - red-brown sand & gravel
11					
12					
13					
14					
15					10-15 feet - red-brown sand & gravel
16					
17					
18					15-18 feet - red-brwon sand & gravel
19					
20					15-20 - red brown sand & gravel
25					20-25 feet - brown sand; water at 24 feet
30					Set temporary well at 30 feet

Comments: 0 PPM on PID
Soil Sample from 0-2 feet below concrete floor
water sample from temporary well set at 30 feet