PHASE II ENVIRONMENTAL INVESTIGATION REPORT

for

SUFFERN INDUSTRIAL PARK
25 Old Mill Road
Suffern, Rockland County, New York

Prepared For:

Brookfield Properties
1 Meadowlands Plaza
Suite 200
East Rutherford, New Jersey 07073

Prepared By:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
300 Kimball Drive
Parsippany, New Jersey 07054
NJ Certificate of Authorization No: 24GA27996400

Kenneth C. Tyson, P.G., L.S.R.P.
Senior Project Manager

Steven Ciambruschini, PG, LEP
Senior Principal / Senior Vice President

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1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this report to document the results of a Limited Phase II Environmental Investigation (Phase II EI) completed at the above referenced property. A site location map is provided as Figure 1 and a site plan is included as Figure 2. The investigation was completed to assess potential subsurface impacts at the site.

1.1 Site Description

The subject property is designated as Block 1, Lot 1s and 31 in the Village of Suffern and Block 1, Lot 1 in the Village of Montebello (see Figure 2). The site is approximately 162 acres, a portion of which is occupied by a former pharmaceutical manufacturing facility, a section of which is now used by a catering business, a landscaping contractor, and associated parking, and a pond. In addition, the site has approximately 12 acres of wetlands and 150 feet of grade change. Of the 162 acres, 125.5 acres are located in the Village of Suffern and 36.5 acres are located in the Village of Montebello. The "main campus" of the Subject Property is comprised of 50 acres of buildings, roadways and lawn areas and the remaining property is 112 acres of densely wooded hilly terrain. The four largest buildings are the Head Building, Production Building, Energy Center, and Terminal and Automated Storage / Retrieval System (AS/RS) Building. Other support buildings include a guard house, sewage pump house, waste storage shed, fire pump houses, and landscape shed.

The subject property has been used for the production of pharmaceutical products throughout its developed history. The property was developed in 1964 by Geigy, Inc., who then merged with Ciba, Inc. creating Ciba-Geigy, Inc. in 1971. In 1997 Ciba-Geigy, Inc. and Sandoz, Inc. merged creating Novartis Pharmaceuticals Corporation. The pharmaceutical operations ceased as of 2017. A summary of each of the main subject property buildings is as follows:

- The Head Building (55,000 square feet (sf) is a two-story building, constructed in 1964, and includes laboratories, offices a cafeteria, and a boiler room.

- The Production Building (425,000 sf) is a four-story building, constructed in 1964 and renovated in 1995, This building was formerly used for pharmaceutical solid dosage production including powder blending and granulation, tablet compressing and encapsulation, and bottle and blister packaging, offices; laboratories; and maintenance shop. The production building is currently occupied by a catering business.
- The Terminal and AR/RS Building (74,000 sf) was originally constructed in 1964. This building was formerly used for offices, workshop, and for the AS/RS automated warehouse with racking for 10,000 pallets, automated stackers and delivery vehicles. A former solvent storage area was located in the northeastern portion of the Terminal Building. There are five loading docks with hydraulic levelers, two on the east side of the building and three on the west side.
- The Energy Center (24,000 sf) was constructed in 1970 and expanded in 1995. It is a one-story building containing high pressure steam boilers, electric chillers, air compressors, and an electrical substation. Two cooling towers are located east of the building.

The subject property is bound to the north by Route 287 – New York State Thruway followed by residential complexes, to the west by the historical Union Hill Quarry, to the south by railroad tracks followed by several residential complexes, a library, a monastery, and a shopping plaza containing an active dry cleaning facility followed by Lafayette Avenue, and to the east by Hemion Road, followed by a furniture distribution center.

1.2 Historical Site Use

The subject property has been used for the production of pharmaceutical products throughout its developed history. The property was developed in 1964 by Geigy, Inc., who then merged with Ciba, Inc. creating Ciba-Geigy, Inc. in 1971. In 1997 Ciba-Geigy, Inc. and Sandoz, Inc. merged creating Novartis Pharmaceuticals Corporation. The pharmaceutical operations were ceased as of 2017.

Historic aerial photographs were reviewed as part of Langan's July 2021 Phase I ESA. The photographs show that prior to development, the subject property was used for agricultural purposes from as early as 1952 through circa 1964.

1.3 Geological and Hydrogeological Conditions

The "Surficial Geologic Map of New York" by the New York State Museum State Geological Survey indicates that the surficial geology at the site consists of till which is generally an impermeable layer comprised of poorly sorted and variably sized clasts, outwash sand and gravel which is generally course to fine gravel with sand, proglacial fluvial depositions, well rounded and stratified, with thickness variable between 2- and 20-meters, and bedrock which is exposed or generally within 1-meter of the surface. The "Bedrock Geologic Map of New York" by the New York State Museum State Geological Survey indicates that the bedrock geology at the site consists of the Hammer Creek Formation which is comprised primarily of conglomerates.

Based on boring logs provided within the Limited Subsurface Investigation performed by ATC dated 8 March 2019, soils from 0- to 2-feet below grade surface (bgs) consisted of brown sandy silt with some gravels.

Based on boring logs provided within the Phase II Investigation performed by Dynamic Earth, LLC (Dynamic) dated 13 July 2021, soils identified below a 6-inch grass/topsoil layer or a 1.5-foot thick gravel retention basin layer consisted of red/brown silty sand or brown sand to 9- to 15-feet bgs. A brown/green clayey sand was also identified from 14.5- to 15-feet bgs at one location, as well as a brown clayey silty sand with degraded leaves and brush at another. Bedrock was also encountered in two soil borings at 9- and 12-feet bgs.

On 12 and 13 August 2021, Langan advanced five soil borings (LAN-SB-1 through LAN-SB-5) and five temporary well points (LAN-TWP-1 through LAN-TWP-5) throughout the site (see Figure 2).

Soils encountered surrounding the sanitary sewer pipe on the northern portion of the site consisted of a six-inch thick grass/topsoil layer overlying reddish brown, fine- to medium-grained sand from nine to 14-feet bgs. Groundwater was encountered at temporary well points LAN-TWP-1 and LAN-TWP-2 at 10.85 and 11.41-feet bgs, respectively.

Soils encountered throughout the former buried drum area on the southwestern portion of the site consisted of a one-foot thick topsoil layer overlying till consisting of dark brown, silty fine- to medium-grained sand with varying amounts of gravel ranging up to 16- to 22-feet bgs. Groundwater was encountered at temporary well points LAN-TWP-3 and LAN-TWP-4 at 17.70 and 20.38-feet bgs, respectively.

Soils encountered underlying the former hazardous waste storage shed on the southern portion of the site consisted of a 0.5-foot thick grass/topsoil layer overlying dark brown to gray, fine- to medium-grained sand to 11.5-feet bgs. A brown to reddish-brown, medium- to coarse-grained sand with some fine gravel was identified from 11.5- to 16-feet bgs. Groundwater was encountered in the temporary well point LAN-TWP-5 at 7.72-feet bgs.

2.0 PHASE II ENVIRONMENTAL INVESTIGATION

This Phase II Subsurface Investigation was completed for the purposes of investigating potential subsurface impacts associated with the site.

On 12 and 13 August 2021, June 2019, five soil boring locations (LAN-SB-1 through LAN-SB-5) and five temporary well points (LAN-TWP-1 through LAN-TWP-5, see Figure 2) were installed and sampled. The soil borings and temporary well points were installed to investigate the following conditions.

Spill No. 9814355 - Sewer Break During Construction Activity and Spill No. 9903055 and Sanitary / Process Sewer Line Integrity - In 1998 a release of wastewater was reported due to a break in the main sewer pipe leading to the pump house in the central portion of the site. Remedial activities included the recovery of wastewater and excavation of impacted soils. The spill was closed by the New York State Department of Environmental Conservation (NYSDEC) on 27 December 2004. No information was provided in the documents reviewed by Langan regarding the amount and quality of wastewater generated, the location and dimensions of the excavation, or post-excavation sampling results confirming that impacted soil was removed.

The main sanitary / process sewer line system runs northeast to southwest along the west side of the Head, Production, and Terminal Buildings. The line receives sanitary and process wastes from those buildings, and the wastes are discharged to the local municipal sewer system. In the early 1990s groundwater infiltration was reported to have occurred at the main sewer pipeline, generating NYSDEC Spill No. 9903055. Although this spill was closed by NYSDEC in 1999, Novartis subsequently determined that exfiltration of wastewater into the surrounding soil and groundwater may have occurred during periods of low groundwater elevations, and the potential release of process water from historical operations was identified as an environmental concern. The spill was investigated in 2016 by Environmental Waste Management Associates (EWMA); however, detailed investigation information, including the boring logs,

sampling depths, actual soil and groundwater data, etc., were not provided in the EWMA report reviewed by Langan. In order to address potential impacts from Spills 9814355 and 9903055, Langan installed and sampled three soil borings (LAN-SB-1 through LAN-SB-3) and two temporary well points (LAN-TWP-1 and LAN-TWP-2) in this area.

Former Drum Burial Area - In 1997 Novartis discovered five partially buried fiber-board drums containing brownish-green particulate material. In 1997, geophysical investigation, soil sampling, and drum removal activities were conducted. The NYSDEC commented that the area was not adequately assessed. Additional investigation was conducted by EWMA in 2016, including an additional geophysical survey and additional soil / groundwater sampling. Based on the text of EWMA's report, no exceedances of the applicable criteria were detected; however, investigation details including the boring logs, sampling depths, actual soil and groundwater data, etc., were not provided. In order to address potential impacts in this area, Langan installed and sampled two soil borings (LAN-SB-4 and LAN-SB-5) and two temporary well points (LAN-TWP-3 and LAN-TWP-4) in this area.

Hazardous Waste Storage Shed - Former Resource Conservation and Recovery Act (RCRA) chemical storage areas (CSAs) were located at the site, including CSA-1: Hazardous Waste Storage Shed. Based on records reviewed by Langan, no environmental impacts were identified in relation to this shed; however, it cannot confirmed that the obligations under the RCRA corrective actions were officially fulfilled by Ciba-Geigy and that regulatory obligations for this facility have been closed. In order to determine if groundwater impacts are present in this area, Langan installed and sampled one temporary well point (LAN-TWP-5) in this area.

All borings and temporary well points were installed using a direct-push drilling rig under the direct oversight of a Langan site geologist. Prior to installing the soil borings and temporary well points, these areas were surveyed by the drilling contractor (Summit Drilling Co., Inc. (Summit)) using geophysical equipment in order to mark the location of the main sewer line and any other utilities or subsurface structures. The soil borings were advanced to 16-feet bgs. In order to ensure sufficient water column for sample collection, the temporary well points were advanced to depths ranging from 16 to 24-feet bgs. Soil core samples from each boring were logged by the site geologist and screened with a photoionization detector. At each soil boring one soil sample was collected from the six-inch interval showing the greatest field evidence of environmental impacts. The temporary well points were installed at five locations to allow for

groundwater sampling. The temporary well points were constructed using one-inch diameter PVC screen and casing. Upon stabilization, one grab groundwater sample was collected from each temporary well point. The soil borings, temporary well points, and sample analytical parameters are summarized in the table below.

Data Gap	Soil Boring / Temporary Well Point	Analytical Parameters[1]
Spill No. 9814355 - Sewer Break During Construction Activity and Spill No. 9903055 and Sanitary / Process Sewer Line Integrity	LAN-SB-1	Groundwater: VOCs and SVOCs. Soils: VOCs
	LAN-SB-2	
	LAN-SB-3	
	LAN-TWP-1	
	LAN-TWP-2	
Former Drum Burial Area	LAN-SB-4	Soil and Groundwater: VOCs and metals
	LAN-SB-5	
	LAN-TWP-3	
	LAN-TWP-4	
Hazardous Waste Storage Shed	LAN-TW-5	Groundwater: VOCs and SVOCs

2.1 Soil Investigation and Field Observations

Soil borings were completed to between 16- and 24-feet bgs. All soil borings and temporary well points were completed using a truck-mounted Geoprobe®5410 direct-push drilling rig. LAN-SB-1 through LAN-SB-4 were advanced to 16 feet bgs. The boring for combined LAN-SB-5 / LAN-TWP-3 was advanced to 24-feet bgs. First water was encountered at 22 feet bgs at that location. All soil boring locations are shown on Figure 2, and soil boring logs are provided in Appendix A.

Continuous macrocore samples were collected to the bottom of each boring. Field screening of soil during sample collection for volatile organic compounds (VOCs) using a photo-ionization detector (PID) was completed during the installation of all five soil borings and all soil samples were screened for visual or olfactory evidence of impacts. Elevated PID readings above background, evidence of staining, or odors were not detected in any of the five soil borings advanced on site.

One soil sample from LAN-SB-1 through LAN-SB-5 was collected for laboratory analysis. As no field evidence of environmental impacts was observed, the soil samples were collected from the 6-inch interval directly above the water table.

Specifically, LAN-SB-1 was collected from 10.0- to 10.5-feet bgs, LAN-SB-2 was collected from 12.5- to 13-feet bgs, LAN-SB-3 was collected from 14.5- to 15.0-feet bgs, LAN-SB-4 was collected from 13.5- to 14.0-feet bgs, and LAN-SB-5 was collected from 15.0- to 15.5-feet bgs.

Soil samples were submitted to the Alpha Analytical Laboratories, Inc. (Alpha) of Westborough, MA for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and Target Analyte List (TAL) metals analysis.

Soil Sampling Quality Assurance/Quality Control

All soil sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. Each macrocore was lined with a dedicated acetate liner prior to the collection of each soil sample collected via use of a Geoprobe® 5410 drill rig. Soil samples collected for VOCs were obtained via En Core® samplers.

Each soil sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blank sample) were incorporated into the sampling event and consisted of one trip blank and one field blank. The field blank sample was analyzed for VOCs, SVOCs, and TAL metals analysis and trip blanks were analyzed for VOCs only.

2.2 Groundwater Investigation and Field Observations

On 12 August 2021, five temporary groundwater monitoring wells (LAN-TWP-1 through LAN-TWP-5) were installed by a licensed well driller from Summit. The temporary groundwater monitoring wells were completed to between 15 and 24 feet bgs. All five temporary groundwater monitoring wells were constructed with 10 feet of one-inch diameter 10-slot schedule 40 PVC well screen and between 5 and 14 feet of one-inch diameter schedule 40 PVC riser. Monitoring well locations as determined by field measurements are shown on Figure 2. Note, the temporary monitoring well LAN-TWP-3 was co-located with the soil boring LAN-SB-5.

Prior to purging and sampling, groundwater levels were measured using an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in any of the groundwater monitoring wells, and groundwater was measured as follows:

- LAN-TWP-1 - 11.41 feet bgs;
- LAN-TWP-2 - 10.85 feet bgs;
- LAN-TWP-3 - 17.70 feet bgs;
- LAN-TWP-4 - 20.78 feet bgs; and
- LAN-TWP-5 - 7.72 feet bgs in LAN-TWP-5.

Groundwater flow direction within the overburden is expected to be to the southwest, towards the Mahwah River.

Five groundwater samples (LAN-TWP-1 through LAN-TWP-5), were collected for chemical analysis via a dedicated polyethylene bailer. No evidence of sheen, odors, or free product were observed during purging or sampling activities in any of the wells. Groundwater samples collected from LAN-TWP-1, LAN-TWP-2 and LAN-TWP-5 were submitted to Alpha for VOC and SVOC analyses. Groundwater samples collected from LAN-TWP-3 and LAN-TWP-4 were submitted to Alpha for VOC and metals analysis in accordance with the table provided in Section 2.0 above.

Groundwater Sampling Quality Assurance/Quality Control

Collected groundwater samples were placed in containers supplied by the laboratory with the appropriate preservative. Each groundwater sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored prior to submission to the laboratory at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control sample (field blank) were incorporated into the sampling event and consisted of one field blank and one trip blank for groundwater samples. The field blank sample was analyzed for VOCs, SVOCs, and TAL metals analysis and trip blank was analyzed for VOCs only.

3.0 PHASE II ENVIRONMENTAL INVESTIGATION FINDINGS

Soil sample laboratory analytical results were compared to 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs). Groundwater sample laboratory analytical results were compared to NYSDEC Part 703 Groundwater Quality Standards and the NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (collectively referred to as GWQS). Soil and groundwater analytical results are summarized in Tables 1 and 2, respectively. Laboratory analytical data packages are included in Appendix B.

3.1 Soil Analytical Results

A summary of soil analytical results is presented in Table 1, shown on Figure 3, and laboratory analytical data packages are included in Appendix B.

VOCs

Analytical results revealed exceedances of the NYSDEC Part 375 Unrestricted Use SCOs at soil boring LAN-SB-4 for acetone (0.08 milligrams per kilogram (mg/kg) (Unrestricted Use SCO = 0.05 mg/kg). Acetone, a common laboratory artifact, was detected in in LAN-SB-4 from 13.5 to 14-feet bgs. No other VOCs were detected in exceedance of the NYSDEC SCOs.

Metals

No exceedances of the NYSDEC SCOs were detected for metals.

3.2 Groundwater Analytical Results

All groundwater analytical results were compared to the to the New York State 6NYCRR Part 703.5 Class GA groundwater standards or the New York State Department of Environmental Conservation (NYSDEC) Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (collectively referred to as NYSDEC GWQS). A summary of groundwater analytical results is presented in Table 2, shown on Figure 4, and laboratory analytical data packages are included in Appendix B.

VOCs

No exceedances of the NYSDEC GWQS were detected for VOCs.

SVOCs

SVOCs were detected above the NYSDEC GWQS for polyaromatic hydrocarbons (PAHs), as summarized in the table below.

Constituent	NYSDEC GWQS (ug/l)	TWP-1 (ug/l)	TWP-2 (ug/l)	TWP-5 (ug/l)
Benzo(a)anthracene	0.002	0.02	ND	ND
Benzo(a)pyrene	0.002	0.02	ND	ND
Benzo(b)fluoranthene	0.002	0.04	0.02	0.02
Benzo(k)fluoranthene	0.002	0.01	ND	ND
Chrysene	0.002	0.02	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	0.02	ND	ND

ND - Not detected

Metals

Exceedances of the NYSDEC GWQS were detected for various metals in the groundwater samples collected from TWP-4 and TWP-5, as summarized in the table below.

Constituent	NYSDEC GWQS (ug/l)	TWP-4 (ug/l)	TWP-5 (ug/l)
Arsenic	25	73.53	62
Barium	1000	4728	1713
Beryllium	3	50.95	24.06
Cadmium	5	25.39	6.18
Chromium, Total	50	893.7	437.8
Copper	200	1520	1210
Iron	300	1380000	661000
Lead	25	413.4	191.6
Magnesium	35000	246000	162000
Manganese	300	71480	16380
Mercury	0.7	5.67	3.18
Nickel	100	1363	625
Selenium	10	161	80.8
Sodium	20000	49300	57300
Thallium	0.5	8.63	3.82
Zinc	2000	2968	1732

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this Limited Phase II ESA, the following impacts were identified:

Soil:

One minor exceedances of the NYSDEC Part 375 Unrestricted Use SCO for acetone was detected. Acetone, a common laboratory artifact, was detected in in LAN-SB-4 from 13.5 to 14-feet bgs. As no other VOCs were detected in exceedance of the NYSDEC SCOs, the minor acetone exceedance at LAN-SB-4 is not believed to be associated with a site-related spill. Based on these data, no further investigation or remediation is warranted for soils.

Groundwater:

No exceedances were detected for VOCs. Minor exceedances of the NYSDEC GWQS were detected for PAHs and metals as summarized in Section 3.2 above. As elevated concentrations of these constituents were not also detected in the soils, these exceedances are not attributed to site-related spills and are likely related to elevated turbidity in the groundwater samples. Based on these data, no further investigation of groundwater is warranted in the areas where these samples were collected.

TABLES

Table 1
Summary of Soil Results
Brookfield Suffern Site
Suffern, New York

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Industrial SCOs	Location	SB-1					SB-2					SB-3					SB-4					SB-5				
						Sample Name	LAN-SB-1_081321					LAN-SB-2_081321					LAN-SB-3_081321					LAN-SB-4_081321					LAN-SB-5_081321				
						Sample Date	8/13/2021					8/13/2021					8/13/2021					8/13/2021					8/13/2021				
						Sample Depth	10-10.5					12.5-13					14.5-15					13.5-14					15-15.5				
						Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0001	0.0005	1	ND	U	0.0001	0.0005	1
1,1,1-Trichloroethane	71-55-6	0.68	100	500	1000	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0003	0.001	1
1,1-Dichloroethane	75-34-3	0.27	19	240	480	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0001	0.001	1
1,1-Dichloroethene	75-35-4	0.33	100	500	1000	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0002	0.001	1
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	mg/kg	ND	U	0.0004	0.0024	1	ND	U	0.0004	0.0023	1	ND	U	0.0003	0.0017	1	ND	U	0.0003	0.0021	1	ND	U	0.0003	0.0019	1
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0001	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0001	0.0021	1	ND	U	0.0001	0.0019	1
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0024	1	ND	U	0.0003	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0003	0.0021	1	ND	U	0.0003	0.0019	1
1,2,4-Trimethylbenzene	95-63-6	3.6	47	190	380	mg/kg	ND	U	0.0004	0.0024	1	ND	U	0.0004	0.0023	1	ND	U	0.0003	0.0017	1	ND	U	0.0004	0.0021	1	ND	U	0.0003	0.0019	1
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	NS	mg/kg	ND	U	0.0012	0.0036	1	ND	U	0.0011	0.0034	1	ND	U	0.0009	0.0026	1	ND	U	0.001	0.0031	1	ND	U	0.0009	0.0028	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0003	0.001	1
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0001	0.0019	1
1,2-Dichloroethane	107-06-2	0.02	2.3	30	60	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0002	0.001	1
1,2-Dichloropropane	78-87-5	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0001	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0001	0.001	1	ND	U	0.0001	0.001	1
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	47	190	380	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
1,3-Dichlorobenzene	541-73-1	2.4	17	280	560	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0001	0.0019	1
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
1,4-Dichlorobenzene	106-46-7	1.8	9.8	130	250	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	9.8	130	250	mg/kg	ND	U	0.042	0.096	1	ND	U	0.04	0.091	1	ND	U	0.03	0.068	1	ND	U	0.037	0.084	1	ND	U	0.033	0.076	1
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
2-Hexanone (MBK)	591-78-6	NS	NS	NS	NS	mg/kg	ND	U	0.0014	0.012	1	ND	U	0.0013	0.011	1	ND	U	0.001	0.0085	1	ND	U	0.0012	0.01	1	ND	U	0.0011	0.0095	1
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	mg/kg	ND	U	0.0001	0.0024	1	ND	U	0.0001	0.0023	1	ND	U	9E-05	0.0017	1	ND	U	0.0001	0.0021	1	ND	U	0.0001	0.0019	1
4-Ethyltoluene	622-96-8	NS	NS	NS	NS	mg/kg	ND	U	0.0005	0.0024	1	ND	U	0.0004	0.0023	1	ND	U	0.0003	0.0017	1	ND	U	0.0004	0.0021	1	ND	U	0.0004	0.0019	1
Acetone	67-64-1	0.05	100	500	1000	mg/kg	ND	U	0.0058	0.012	1	ND	U	0.0055	0.011	1	ND	U	0.0041	0.0085	1	0.075		0.005	0.01	1	0.018		0.0046	0.0095	1
Acrylonitrile	107-13-1	NS	NS	NS	NS	mg/kg	ND	U	0.0014	0.0048	1	ND	U	0.0013	0.0046	1	ND	U	0.001	0.0034	1	ND	U	0.0012	0.0042	1	ND	U	0.0011	0.0038	1
Benzene	71-43-2	0.06	2.9	44	89	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
Bromobenzene	108-86-1	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0001	0.0019	1
Bromochloromethane	74-97-5	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
Bromodichloromethane	75-27-4	NS	NS	NS	NS	mg/kg	ND	U	0.0001	0.0006	1	ND	U	0.0001	0.0006	1	ND	U	9E-05	0.0004	1	ND	U	0.0001	0.0005	1	ND	U	0.0001	0.0005	1
Bromoform	75-25-2	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0048	1	ND	U	0.0003	0.0046	1	ND	U	0.0002	0.0034	1	ND	U	0.0003	0.0042	1	ND	U	0.0002	0.0038	1
Bromomethane	74-83-9	NS	NS	NS	NS	mg/kg	ND	U	0.0007	0.0024	1	ND	U	0.0007	0.0023	1	ND	U	0.0005	0.0017	1	ND	U	0.0006	0.0021	1	ND	U	0.0006	0.0019	1
Carbon Disulfide	75-15-0	NS	NS	NS	NS	mg/kg	ND	U	0.0055	0.012	1	ND	U	0.0052	0.011	1	ND	U	0.0039	0.0085	1	ND	U	0.0048	0.01	1	ND	U	0.0043	0.0095	1
Carbon Tetrachloride	56-23-5	0.76	1.4	22	44	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0002	0.001	1
Chlorobenzene	108-90-7	1.1	100	500	1000	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0001	0.0005	1	ND	U	0.0001	0.0005	1
Chloroethane	75-00-3	NS	NS	NS	NS	mg/kg	ND	U	0.0005	0.0024	1	ND	U	0.0005	0.0023	1	ND	U	0.0004	0.0017	1	ND	U	0.0005	0.0021	1	ND	U	0.0004	0.0019	1
Chloroform	67-66-3	0.37	10	350	700	mg/kg	ND	U	0.0002	0.0018	1	ND	U	0.0002	0.0017	1	ND	U	0.0001	0.0013	1	ND	U	0.0002	0.0016	1	ND	U	0.0001	0.0014	1
Chloromethane	74-87-3	NS	NS	NS	NS	mg/kg	ND	U	0.0011	0.0048	1	ND	U	0.0011	0.0046	1	ND	U	0.0008	0.0034	1	ND	U	0.001	0.0042	1	ND	U	0.0009	0.0038	1
Cis-1,2-Dichloroethene	156-59-2	0.25	59	500	1000	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0002	0.001	1
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
Cymene	99-87-6	NS	NS	NS	NS	mg/kg	ND	U	0.0001	0.0012	1	ND	U	0.0001	0.0011	1	ND	U	9E-05	0.0009	1	ND	U	0.0001	0.001	1	0.0005	J	0.0001	0.001	1
Dibromochloromethane	124-48-1	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0001	0.001	1
Dibromomethane	74-95-3	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0024	1	ND	U	0.0003	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0003	0.0021	1	ND	U	0.0002	0.0019	1
Dichlorodifluoromethane	75-71-8	NS	NS	NS	NS	mg/kg	ND	U	0.0011	0.012	1	ND	U	0.001	0.011	1	ND	U	0.0008	0.0085	1	ND	U	0.001	0.01	1	ND	U	0.0009	0.0095	1
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	NS	mg/kg	ND	U	0.0004	0.0024	1	ND	U	0.0004	0.0023	1	ND	U	0.0003	0.0017	1	ND	U	0.0004	0.0021	1	ND	U	0.0003	0.0019	1
Ethylbenzene	100-41-4	1	30	390	780	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0001	0.001	1
Hexachlorobutadiene	87-68-3	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0048	1	ND	U	0.0002	0.0046	1	ND	U	0.0001	0.0034	1	ND	U	0.0002	0.0042	1	ND	U	0.0002	0.0038	1
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	mg/kg	ND	U	0.0001	0.0012	1	ND	U	0.0001	0.0011	1	ND	U	9E-05	0.0009	1	ND	U	0.0001	0.001	1	ND	U	0.0001	0.001	1
M,P-Xylene	179601-23-1	NS	NS	NS	NS	mg/kg	ND	U	0.0007	0.0024	1	ND	U	0.0006	0.0023	1	ND	U	0.0005	0.0017	1	ND	U	0.0006	0.0021	1	ND	U	0.0005	0.0019	1
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	500	1000	mg/kg	ND	U	0.0027	0.012	1	ND	U	0.0025	0.011	1	ND	U	0.0019	0.0085	1	0.011		0.0023	0.01	1	ND	U	0.0021	0.0095	1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	NS	mg/kg	ND	U	0.0015	0.012	1	ND	U	0.0014	0.011	1	ND	U	0.0011	0.0085	1	ND	U	0.0013	0.01	1	ND	U	0.0012	0.0095	1
Methylene Chloride	75-09-2	0.05	51	500	1000	mg/kg	ND	U	0.0028	0.006	1	ND	U	0.0026	0.0057	1	ND	U	0.002	0.0043	1	ND	U	0.0024	0.0052	1	ND	U	0.0022	0.0047	1
Naphthalene	91-20-3	12	100	500	1000	mg/kg	ND	U	0.0008	0.0048	1	ND	U	0.0007	0.0046	1	ND	U	0.0006	0.0034	1	ND	U	0.0007	0.0042	1	0.0016	J	0.0006	0.0038	1
n-Butylbenzene	104-51-8	12	100	500	1000	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0002	0.001	1
n-Propylbenzene	103-65-1	3.9	100	500	1000	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0002	0.001	1
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	NS	mg/kg	ND	U	0.0004	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0003	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0003	0.001	1
Sec-Butylbenzene	135-98-8	11	100	500	1000	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0001	0.001	1
Styrene	100-42-5	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0002	0.001	1	ND	U	0.0002	0.001	1
T-Butylbenzene	98-06-6	5.9	100	500	1000	mg/kg	ND	U	0.0001	0.0024	1	ND	U	0.0001	0.0023	1	ND	U	0.0001	0.0017	1	ND	U	0.0001	0.0021	1	ND	U	0.0001	0.0019	1
Tert-Butyl Methyl Ether	1634-04-4	0.93	62	500	1000	mg/kg	ND	U	0.0002	0.0024	1	ND	U	0.0002	0.0023	1	ND	U	0.0002	0.0017	1	ND	U	0.0002	0.0021	1	ND	U	0.0002	0.0019	1
Tetrachloroethene (PCE)	127-18-4	1.3	5.5	150	300	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
Toluene	108-88-3	0.7	100	500	1000	mg/kg	ND	U	0.0007	0.0012	1	ND	U	0.0006	0.0011	1	ND	U	0.0005	0.0009	1	ND	U	0.0006	0.001	1	ND	U	0.0005	0.001	1
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0012	1	ND	U	0.0002	0.0011	1	ND	U	0.0001	0.0009	1	ND	U	0.0001	0.001	1	ND	U	0.0001	0.001	1
Total Xylenes	1330-20-7	0.26	100	500	1000	mg/kg	ND	U	0.0004	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0003	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0003	0.001	1
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	NS	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0002	0.0005	1	ND	U	0.0002	0.0005	1
Trans-1,2-Dichloroethene	156-60-5	0.19	100	500	1000	mg/kg	ND	U	0.0002	0.0018	1	ND	U	0.0002	0.0017	1	ND	U	0.0001	0.0013	1	ND	U	0.0001	0.0016	1	ND	U	0.0001	0.0014	1
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	NS	mg/kg	ND	U	0.0003	0.0012	1	ND	U	0.0003	0.0011	1	ND	U	0.0002	0.0009	1	ND	U	0.0003	0.001	1	ND	U	0.0003	0.001	1
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	NS	mg/kg	ND	U	0.0017	0.006	1	ND	U	0.0016	0.0057	1	ND	U	0.0012	0.0043	1	ND	U	0.0015	0.0052	1	ND	U	0.0013	0.0047	1
Trichloroethene (TCE)	79-01-6	0.47	10	200	400	mg/kg	ND	U	0.0002	0.0006	1	ND	U	0.0002	0.0006	1	ND	U	0.0001	0.0004	1	ND	U	0.0001	0.0005	1	ND	U	0.0001	0.0005	1
Trichlorofluoromethane	75-69-4	NS	NS	NS	NS	mg/kg	ND	U	0.0008	0.0048	1	ND	U	0.0008	0.0046	1	ND	U	0.0006	0.0034	1	ND	U	0.0007	0.0042	1	ND	U	0.0007	0.0038	1
Vinyl Acetate	108-05-4	NS	NS	NS	NS	mg/kg	ND	U	0.0026	0.012	1	ND	U	0.0024	0.011	1	ND	U	0.0018	0.0085	1	ND	U	0.0022	0.01	1	ND	U	0.002	0.0095	1
Vinyl Chloride	75-01-4	0.02	0.21	13	27	mg/kg	ND	U	0.0004	0.0012	1	ND	U	0.0004	0.0011	1	ND	U	0.0003	0.0009	1	ND	U	0.0004	0.001	1	ND	U	0.0003	0.001	1

Table 1
Summary of Soil Results
Brookfield Suffern Site
Suffern, New York

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Industrial SCOs	Location	SB-1					SB-2					SB-3					SB-4					SB-5				
						Sample Name	LAN-SB-1_081321					LAN-SB-2_081321					LAN-SB-3_081321					LAN-SB-4_081321					LAN-SB-5_081321				
						Sample Date	8/13/2021					8/13/2021					8/13/2021					8/13/2021					8/13/2021				
						Sample Depth	10-10.5					12.5-13					14.5-15					13.5-14					15-15.5				
						Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Metals																															
Aluminum	7429-90-5	NS	NS	NS	NS	mg/kg	NA					NA					NA					7820		2.49	9.23	2	6530		2.35	8.69	2
Antimony	7440-36-0	NS	NS	NS	NS	mg/kg	NA					NA					NA					0.776	J	0.351	4.62	2	0.443	J	0.33	4.35	2
Arsenic	7440-38-2	13	16	16	16	mg/kg	NA					NA					NA					2.86		0.192	0.923	2	2.58		0.181	0.869	2
Barium	7440-39-3	350	350	400	10000	mg/kg	NA					NA					NA					29.3		0.161	0.923	2	24.2		0.151	0.869	2
Beryllium	7440-41-7	7.2	14	590	2700	mg/kg	NA					NA					NA					0.342	J	0.031	0.462	2	0.304	J	0.029	0.435	2
Cadmium	7440-43-9	2.5	2.5	9.3	60	mg/kg	NA					NA					NA					ND	U	0.091	0.923	2	ND	U	0.085	0.869	2
Calcium	7440-70-2	NS	NS	NS	NS	mg/kg	NA					NA					NA					1050		3.23	9.23	2	1920		3.04	8.69	2
Chromium, Total	7440-47-3	NS	NS	NS	NS	mg/kg	NA					NA					NA					10.7		0.089	0.923	2	15.2		0.083	0.869	2
Cobalt	7440-48-4	NS	NS	NS	NS	mg/kg	NA					NA					NA					4.23		0.153	1.85	2	4.92		0.144	1.74	2
Copper	7440-50-8	50	270	270	10000	mg/kg	NA					NA					NA					9.72		0.238	0.923	2	18.3		0.224	0.869	2
Iron	7439-89-6	NS	NS	NS	NS	mg/kg	NA					NA					NA					14400		0.834	4.62	2	14600		0.785	4.35	2
Lead	7439-92-1	63	400	1000	3900	mg/kg	NA					NA					NA					8.65		0.247	4.62	2	6.93		0.233	4.35	2
Magnesium	7439-95-4	NS	NS	NS	NS	mg/kg	NA					NA					NA					1560		1.42	9.23	2	1860		1.34	8.69	2
Manganese	7439-96-5	1600	2000	10000	10000	mg/kg	NA					NA					NA					302		0.147	0.923	2	226		0.138	0.869	2
Mercury	7439-97-6	0.18	0.81	2.8	5.7	mg/kg	NA					NA					NA					ND	U	0.049	0.075	1	ND	U	0.047	0.072	1
Nickel	7440-02-0	30	140	310	10000	mg/kg	NA					NA					NA					7.13		0.223	2.31	2	7.82		0.21	2.17	2
Potassium	7440-09-7	NS	NS	NS	NS	mg/kg	NA					NA					NA					270		13.3	231	2	330		12.5	217	2
Selenium	7782-49-2	3.9	36	1500	6800	mg/kg	NA					NA					NA					ND	U	0.238	1.85	2	ND	U	0.224	1.74	2
Silver	7440-22-4	2	36	1500	6800	mg/kg	NA					NA					NA					ND	U	0.261	0.923	2	ND	U	0.246	0.869	2
Sodium	7440-23-5	NS	NS	NS	NS	mg/kg	NA					NA					NA					37.2	J	2.91	185	2	74.5	J	2.74	174	2
Thallium	7440-28-0	NS	NS	NS	NS	mg/kg	NA					NA					NA					ND	U	0.291	1.85	2	ND	U	0.274	1.74	2
Vanadium	7440-62-2	NS	NS	NS	NS	mg/kg	NA					NA					NA					19		0.187	0.923	2	19		0.176	0.869	2
Zinc	7440-66-6	109	2200	10000	10000	mg/kg	NA					NA					NA					26.9		0.27	4.62	2	28.1		0.255	4.35	2

Notes:
NYSDEC- New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
CAS - Chemical Abstract Service
NS - No standard
mg/kg - Milligrams per kilogram
ND - Not detected
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds NYSDEC Part 375 Unrestricted Use SCOs
10 - Result exceeds NYSDEC Part 375 Residential SCOs
10 - Result exceeds NYSDEC Part 375 Commercial SCOs
10 - Result exceeds NYSDEC Part 375 Industrial SCOs
10 - MDL exceeds screening level

Table 2
Summary of Groundwater Results
Brookfield Suffern Site
Suffern, New York

Analyte	CAS Number	NYSDEC TOGS GA	Location	TWP-1					TWP-2					TWP-3					TWP-4					TWP-5				
			Sample Name	LAN-TWP-1_081321					LAN-TWP-2_081321					LAN-TWP-3_081321					LAN-TWP-4_081321					LAN-TWP-5_081321				
			Sample Date	8/13/2021					8/13/2021					8/13/2021					8/13/2021					8/13/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Volatile Organic Compounds																												
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,1,1-Trichloroethane	71-55-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1
1,1,2-Trichloroethane	79-00-5	1	ug/l	ND	U	0.5	1.5	1	ND	U	0.5	1.5	1	ND	U	0.5	1.5	1	ND	U	0.5	1.5	1	ND	U	0.5	1.5	1
1,1-Dichloroethane	75-34-3	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,1-Dichloroethene	75-35-4	5	ug/l	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1	ND	U	0.17	0.5	1
1,1-Dichloropropene	563-58-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	ND	U	0.54	2	1	ND	U	0.54	2	1	ND	U	0.54	2	1	ND	U	0.54	2	1	ND	U	0.54	2	1
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	ND	U	*0.65*	2	1	ND	U	*0.65*	2	1	ND	U	*0.65*	2	1	ND	U	*0.65*	2	1	ND	U	*0.65*	2	1
1,2-Dichlorobenzene	95-50-1	3	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,2-Dichloroethane	107-06-2	0.6	ug/l	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1
1,2-Dichloropropane	78-87-5	1	ug/l	ND	U	0.14	1	1	ND	U	0.14	1	1	ND	U	0.14	1	1	ND	U	0.14	1	1	ND	U	0.14	1	1
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,3-Dichlorobenzene	541-73-1	3	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,3-Dichloropropane	142-28-9	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,4-Dichlorobenzene	106-46-7	3	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
1,4-Diethyl Benzene	105-05-5	NS	ug/l	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/l	ND	U	61	250	1	ND	U	61	250	1	ND	U	61	250	1	ND	U	61	250	1	ND	U	61	250	1
2,2-Dichloropropane	594-20-7	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
2-Chlorotoluene	95-49-8	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
2-Hexanone (MBK)	591-78-6	50	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
4-Chlorotoluene	106-43-4	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
4-Ethyltoluene	622-96-8	NS	ug/l	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1	ND	U	0.7	2	1
Acetone	67-64-1	50	ug/l	ND	U	1.5	5	1	8		1.5	5	1	2.6	J	1.5	5	1	2.8	J	1.5	5	1	4.6	J	1.5	5	1
Acrylonitrile	107-13-1	5	ug/l	ND	U	1.5	5	1	ND	U	1.5	5	1	ND	U	1.5	5	1	ND	U	1.5	5	1	ND	U	1.5	5	1
Benzene	71-43-2	1	ug/l	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1
Bromobenzene	108-86-1	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Bromochloromethane	74-97-5	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Bromodichloromethane	75-27-4	50	ug/l	ND	U	0.19	0.5	1	ND	U	0.19	0.5	1	ND	U	0.19	0.5	1	ND	U	0.19	0.5	1	ND	U	0.19	0.5	1
Bromoform	75-25-2	50	ug/l	ND	U	0.65	2	1	ND	U	0.65	2	1	ND	U	0.65	2	1	ND	U	0.65	2	1	ND	U	0.65	2	1
Bromomethane	74-83-9	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Carbon Disulfide	75-15-0	60	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
Carbon Tetrachloride	56-23-5	5	ug/l	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1	ND	U	0.13	0.5	1
Chlorobenzene	108-90-7	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Chloroethane	75-00-3	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Chloroform	67-66-3	7	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Chloromethane	74-87-3	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1
Cymene	99-87-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Dibromochloromethane	124-48-1	50	ug/l	ND	U	0.15	0.5	1	ND	U	0.15	0.5	1	ND	U	0.15	0.5	1	ND	U	0.15	0.5	1	ND	U	0.15	0.5	1
Dibromomethane	74-95-3	5	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
Dichlorodifluoromethane	75-71-8	5	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	7.9		0.7	2.5	1
Ethylbenzene	100-41-4	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Hexachlorobutadiene	87-68-3	0.5	ug/l	NA					NA					ND	U	*0.7*	2.5	1	ND	U	*0.7*	2.5	1	NA				
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
M,P-Xylene	179601-23-1	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	ND	U	1.9	5	1	2.8	J	1.9	5	1	ND	U	1.9	5	1	ND	U	1.9	5	1	ND	U	1.9	5	1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
Methylene Chloride	75-09-2	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Naphthalene	91-20-3	10	ug/l	NA					NA					ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	NA				
n-Butylbenzene	104-51-8	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
n-Propylbenzene	103-65-1	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Sec-Butylbenzene	135-98-8	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Styrene	100-42-5	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
T-Butylbenzene	98-06-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Tetrachloroethene (PCE)	127-18-4	5	ug/l	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1
Toluene	108-88-3	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Total Xylenes	1330-20-7	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	ug/l	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1	ND	U	0.14	0.5	1
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1	ND	U	0.16	0.5	1
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Trichloroethene (TCE)	79-01-6	5	ug/l	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1	ND	U	0.18	0.5	1
Trichlorofluoromethane	75-69-4	5	ug/l	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1	ND	U	0.7	2.5	1
Vinyl Acetate	108-05-4	NS	ug/l	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1	ND	U	1	5	1
Vinyl Chloride	75-01-4	2	ug/l	ND	U	0.07	1	1	ND	U	0.07	1	1	ND	U	0.07	1	1	ND	U	0.07	1	1	ND	U	0.07	1	1
Semi-Volatile Organic Compounds																												
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	ND	U	0.44	10	1	ND	U	0.44	10	1	NA					NA					ND	U	0.44	10	1
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	ND	U	0.5	5	1	ND	U	0.5	5	1	NA					NA					ND	U	0.5	5	1
1,2-Dichlorobenzene	95-50-1	3	ug/l	ND	U	0.45	2	1	ND	U	0.45	2	1	NA					NA					ND	U	0.45	2	1
1,3-Dichlorobenzene	541-73-1	3	ug/l	ND	U	0.4	2	1	ND	U	0.4	2	1	NA					NA					ND	U	0.4	2	1
1,4-Dichlorobenzene	106-46-7	3	ug/l	ND	U	0.43	2	1	ND	U	0.43	2	1	NA					NA					ND	U	0.43	2	1
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	ND	U	0.77	5	1	ND	U	0.77	5	1	NA					NA					ND	U	0.77	5	1
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	ND	U	0.61	5	1	ND	U	0.61	5	1	NA					NA					ND	U	0.61	5	1
2,4-Dichlorophenol	120-83-2	1	ug/l	ND	U	0.41	5	1	ND	U	0.41	5	1	NA					NA					ND	U	0.41	5	1
2,4-Dimethylphenol	105-67-9	1	ug/l	ND	U	*1.8*	5	1	ND	U	*1.8*	5	1	NA					NA					ND	U	*1.8*	5	1
2,4-Dinitrophenol	51-28-5	1	ug/l	ND	U	*6.6*	20	1	ND	U	*6.6*	20	1	NA					NA					ND	U	*6.6*	20	1
2,4-Dinitrotoluene	121-14-2	5	ug/l	ND	U	1.2	5	1	ND	U	1.2	5	1	NA					NA					ND	U	1.2	5	1
2,6-Dinitrotoluene	606-20-2	5	ug/l	ND	U	0.93	5	1	ND	U	0.93	5	1	NA					NA					ND	U	0.93	5	1
2-Chloronaphthalene	91-58-7	10	ug/l	ND	U	0.02	0.2	1	ND	U	0.02	0.2	1	NA					NA					ND	U	0.02	0.2	1
2-Chlorophenol	95-57-8	NS	ug/l	ND	U	0.48	2	1	ND	U	0.48	2	1	NA					NA					ND	U	0.48	2	1
2-Methylnaphthalene	91-57-6	NS	ug/l	0.03	J	0.02	0.1	1	0.03	J	0.02	0.1	1	NA					NA					ND	U	0.02	0.1	1
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	ND	U	0.49	5	1	ND	U	0.49	5	1	NA					NA					ND	U	0.49	5	1
2-Nitroaniline	88-74-4	5	ug/l	ND	U	0.5	5	1	ND	U	0.5	5	1	NA					NA					ND	U	0.5	5	1
2-Nitrophenol	88-75-5	NS	ug/l	ND	U	0.85	10	1	ND	U	0.85	10	1	NA					NA					ND	U	0.85	10	1
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	ND	U	0.48	5	1	ND	U	0.48	5	1	NA					NA					ND	U	0.48	5	1
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	ND	U	1.6	5	1	ND	U	1.6	5	1	NA					NA					ND	U	1.6	5	1
3-Nitroaniline	99-09-2	5	ug/l	ND	U	0.81	5	1	ND	U	0.81	5	1	NA					NA					ND	U	0.81	5	1
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	ND	U	1.8	10	1	ND	U	1.8	10	1	NA					NA					ND	U	1.8	10	1
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	ND	U	0.38	2	1	ND	U	0.38	2	1	NA					NA					ND	U	0.38	2	1
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	ND	U	0.35	2	1	ND	U	0.35	2	1	NA					NA					ND	U	0.35	2	1
4-Chloroaniline	106-47-8	5	ug/l	ND	U	1.1	5	1	ND	U	1.1	5	1	NA					NA					ND	U	1.1	5	1
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	ND	U	0.49	2	1	ND	U	0.49	2	1	NA					NA					ND	U	0.49	2	1
4-Nitroaniline	100-01-6	5	ug/l	ND	U	0.8	5	1	ND	U	0.8	5	1	NA					NA					ND	U	0.8	5	1
4-Nitrophenol	100-02-7	NS	ug/l	ND	U	0.67	10	1	ND	U	0.67	10	1	NA					NA					ND	U	0.67	10	1
Acenaphthene	83-32-9	20	ug/l	ND	U	0.01	0.1	1	ND	U	0.01	0.1	1	NA					NA					0.14		0.01	0.1	1
Acenaphthylene	208-96-8	NS	ug/l	ND	U	0.01	0.1	1	ND	U	0.01	0.1	1	NA					NA					ND	U	0.01	0.1	1
Acetophenone	98-86-2	NS	ug/l	ND	U	0.53	5	1	ND	U	0.53	5	1	NA					NA					ND	U	0.53	5	1
Anthracene	120-12-7	50	ug/l	ND	U	0.01	0.1	1	0.02	J	0.01	0.1	1	NA					NA					ND	U	0.01	0.1	1
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.02	J	*0.02*	0.1	1	ND	U	*0.02*	0.1	1	NA					NA					ND	U	*0.02*	0.1	1
Benzo(a)pyrene	50-32-8	0	ug/l	0.02	J	*0.02*	0.1	1	ND	U	*0.02*	0.1	1	NA					NA					ND	U	*0.02*	0.1	1
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.04	J	*0.01*	0.1	1	0.02	J	*0.01*	0.1	1	NA					NA					0.02	J	*0.01*	0.1	1
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	0.02	J	0.01	0.1	1	ND	U	0.01	0.1	1	NA					NA					ND	U	0.01	0.1	1
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	0.01	J	*0.01*	0.1	1	ND	U	*0.01*	0.1	1	NA					NA					ND	U	*0.01*	0.1	1
Benzoic Acid	65-85-0	NS	ug/l	ND	U	2.6	50	1	5	J	2.6	50	1	NA					NA					ND	U	2.6	50	1
Benzyl Alcohol	100-51-6	NS	ug/l	ND	U	0.59	2	1	ND	U	0.59	2	1	NA					NA					ND	U	0.59	2	1
Benzyl Butyl Phthalate	85-68-7	50	ug/l	ND	U	1.2	5	1	ND	U	1.2	5	1	NA					NA					ND	U	1.2	5	1
Biphenyl (Diphenyl)	92-52-4	5	ug/l	ND	U	0.46	2	1	ND	U	0.46	2	1	NA					NA					ND	U	0.46	2	1
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	ND	U	0.5	5	1	ND	U	0.5	5	1	NA					NA					ND	U	0.5	5	1
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	ND	U	0.5	2	1	ND	U	0.5	2	1	NA					NA					ND	U	0.5	2	1
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	ND	U	0.53	2	1	ND	U	0.53	2	1	NA					NA					ND	U	0.53	2	1
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	ND	U	1.5	3	1	1.9	J	1.5	3	1	NA					NA					3		1.5	3	1
Carbazole	86-74-8	NS	ug/l	ND	U	0.49	2	1	ND	U	0.49	2	1	NA					NA					ND	U	0.49	2	1
Chrysene	218-01-9	0.002	ug/l	0.02	J	*0.01*	0.1	1	ND	U	*0.01*	0.1	1	NA					NA					ND	U	*0.01*	0.1	1
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	ND	U	0.01	0.1	1	ND	U	0.01	0.1	1	NA					NA					ND	U	0.01	0.1	1
Dibenzofuran	132-64-9	NS	ug/l	ND	U	0.5	2	1	ND	U	0.5	2	1	NA					NA					ND	U	0.5	2	1
Dibutyl phthalate	84-74-2	50	ug/l	ND	U	0.39	5	1	ND	U	0.39	5	1	NA					NA					ND	U	0.39	5	1
Diethyl phthalate	84-66-2	50	ug/l	ND	U	0.38	5	1	ND	U	0.38	5	1	NA					NA					ND	U	0.38	5	1
Dimethyl phthalate	131-11-3	50	ug/l	ND	U	1.8	5	1	ND	U	1.8	5	1	NA					NA					ND	U	1.8	5	1
Dioctyl phthalate	117-84-0	50	ug/l	ND	U	1.3	5	1	ND	U	1.3	5	1	NA					NA					ND	U	1.3	5	1
Fluoranthene	206-44-0	50	ug/l	0.05	J	0.02	0.1	1	0.04	J	0.02	0.1	1	NA					NA					0.03	J	0.02	0.1	1
Fluorene	86-73-7	50	ug/l	0.02	J	0.01	0.1	1	0.03	J	0.01	0.1	1	NA					NA					0.03	J	0.01	0.1	1
Hexachlorobenzene	118-74-1	0.04	ug/l	ND	U	0.01	0.8	1	ND	U	0.01	0.8	1	NA					NA					ND	U	0.01	0.8	1
Hexachlorobutadiene	87-68-3	0.5	ug/l	ND	U	0.05	0.5	1	ND	U	0.05	0.5	1	NA					NA					ND	U	0.05	0.5	1
Hexachlorocyclopentadiene	77-47-4	5	ug/l	ND	U	0.69	20	1	ND	U	0.69	20	1	NA					NA					ND	U	0.69	20	1
Hexachloroethane	67-72-1	5	ug/l	ND	U	0.06	0.8	1	ND	U	0.06	0.8	1	NA					NA					ND	U	0.06	0.8	1
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.02	J	*0.01*	0.1	1	ND	U	*0.01*	0.1	1	NA					NA					ND	U	*0.01*	0.1	1
Isophorone	78-59-1	50	ug/l	ND	U	1.2	5	1	ND	U	1.2	5	1	NA					NA					ND	U	1.2	5	1
Naphthalene	91-20-3	10	ug/l	ND	U	0.05	0.1	1	ND	U	0.05	0.1	1	NA					NA					ND	U	0.05	0.1	1
Nitrobenzene	98-95-3	0.4	ug/l	ND	U	*0.77*	2	1	ND	U	*0.77*	2	1	NA					NA					ND	U	*0.77*	2	1
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	ND	U	0.64	5	1	ND	U	0.64	5	1	NA					NA					ND	U	0.64	5	1
n-Nitrosodiphenylamine	86-30-6	50	ug/l	ND	U	0.42	2	1	ND	U	0.42	2	1	NA					NA					ND	U	0.42	2	1
Pentachlorophenol	87-86-5	1	ug/l	ND	U	0.01	0.8	1	ND	U	0.01	0.8	1	NA					NA					ND	U	0.01	0.8	1
Phenanthrene	85-01-8	50	ug/l	0.04	J	0.02	0.1	1	0.06	J	0.02	0.1	1	NA					NA					0.05	J	0.02	0.1	1
Phenol	108-95-2	1	ug/l	ND	U	0.57	5	1	ND	U	0.57	5	1	NA					NA					ND	U	0.57	5	1
Pyrene	129-00-0	50	ug/l	0.05	J	0.02	0.1	1	0.04	J	0.02	0.1	1	NA					NA					0.03	J	0.02	0.1	1

Table 2
Summary of Groundwater Results
Brookfield Suffern Site
Suffern, New York

Analyte	CAS Number	NYSDEC TOGS GA	Location	TWP-1					TWP-2					TWP-3					TWP-4					TWP-5				
			Sample Name	LAN-TWP-1_081321					LAN-TWP-2_081321					LAN-TWP-3_081321					LAN-TWP-4_081321					LAN-TWP-5_081321				
			Sample Date	8/13/2021					8/13/2021					8/13/2021					8/13/2021					8/13/2021				
			Unit	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF	Result	Q	MDL	RL	DF
Metals																												
Aluminum	7429-90-5	NS	ug/l	NA					NA					480000		65.4	200	1	306000		32.7	100	1	NA				
Antimony	7440-36-0	3	ug/l	NA					NA					ND	U	*8.58*	80	1	ND	U	*4.29*	40	1	NA				
Arsenic	7440-38-2	25	ug/l	NA					NA					73.53		3.3	10	1	62		1.65	5	1	NA				
Barium	7440-39-3	1000	ug/l	NA					NA					4728		3.46	10	1	1713		1.73	5	1	NA				
Beryllium	7440-41-7	3	ug/l	NA					NA					50.95		2.14	10	1	24.06		1.07	5	1	NA				
Cadmium	7440-43-9	5	ug/l	NA					NA					25.39		1.19	4	1	6.18		0.59	2	1	NA				
Calcium	7440-70-2	NS	ug/l	NA					NA					229000		788	2000	1	164000		394	1000	1	NA				
Chromium, Total	7440-47-3	50	ug/l	NA					NA					893.7		3.56	20	1	437.8		1.78	10	1	NA				
Cobalt	7440-48-4	NS	ug/l	NA					NA					644.1		3.26	10	1	344.8		1.63	5	1	NA				
Copper	7440-50-8	200	ug/l	NA					NA					1520		7.68	20	1	1210		3.84	10	1	NA				
Iron	7439-89-6	300	ug/l	NA					NA					1080000		*382*	1000	1	661000		191	500	1	NA				
Lead	7439-92-1	25	ug/l	NA					NA					413.4		6.86	20	1	191.6		3.43	10	1	NA				
Magnesium	7439-95-4	35000	ug/l	NA					NA					246000		484	1400	1	162000		*242*	700	1	NA				
Manganese	7439-96-5	300	ug/l	NA					NA					71480		8.8	20	1	16380		4.4	10	1	NA				
Mercury	7439-97-6	0.7	ug/l	NA					NA					*5.67*		*2.28*	5	1	3.18		*0.91*	2	1	NA				
Nickel	7440-02-0	100	ug/l	NA					NA					1363		11.12	40	1	625		5.56	20	1	NA				
Potassium	7440-09-7	NS	ug/l	NA					NA					66900		618	2000	1	35000		309	1000	1	NA				
Selenium	7782-49-2	10	ug/l	NA					NA					161		*34.6*	100	1	80.8		*17.3*	50	1	NA				
Silver	7440-22-4	50	ug/l	NA					NA					ND	U	3.26	8	1	ND	U	1.63	4	1	NA				
Sodium	7440-23-5	20000	ug/l	NA					NA					49300		586	2000	1	57300		293	1000	1	NA				
Thallium	7440-28-0	0.5	ug/l	NA					NA					8.63	J	*2.86*	20	1	3.82	J	*1.43*	10	1	NA				
Vanadium	7440-62-2	NS	ug/l	NA					NA					1123		31.4	100	1	816.1		15.7	50	1	NA				
Zinc	7440-66-6	2000	ug/l	NA					NA					2968		68.2	200	1	1732		34.1	100	1	NA				

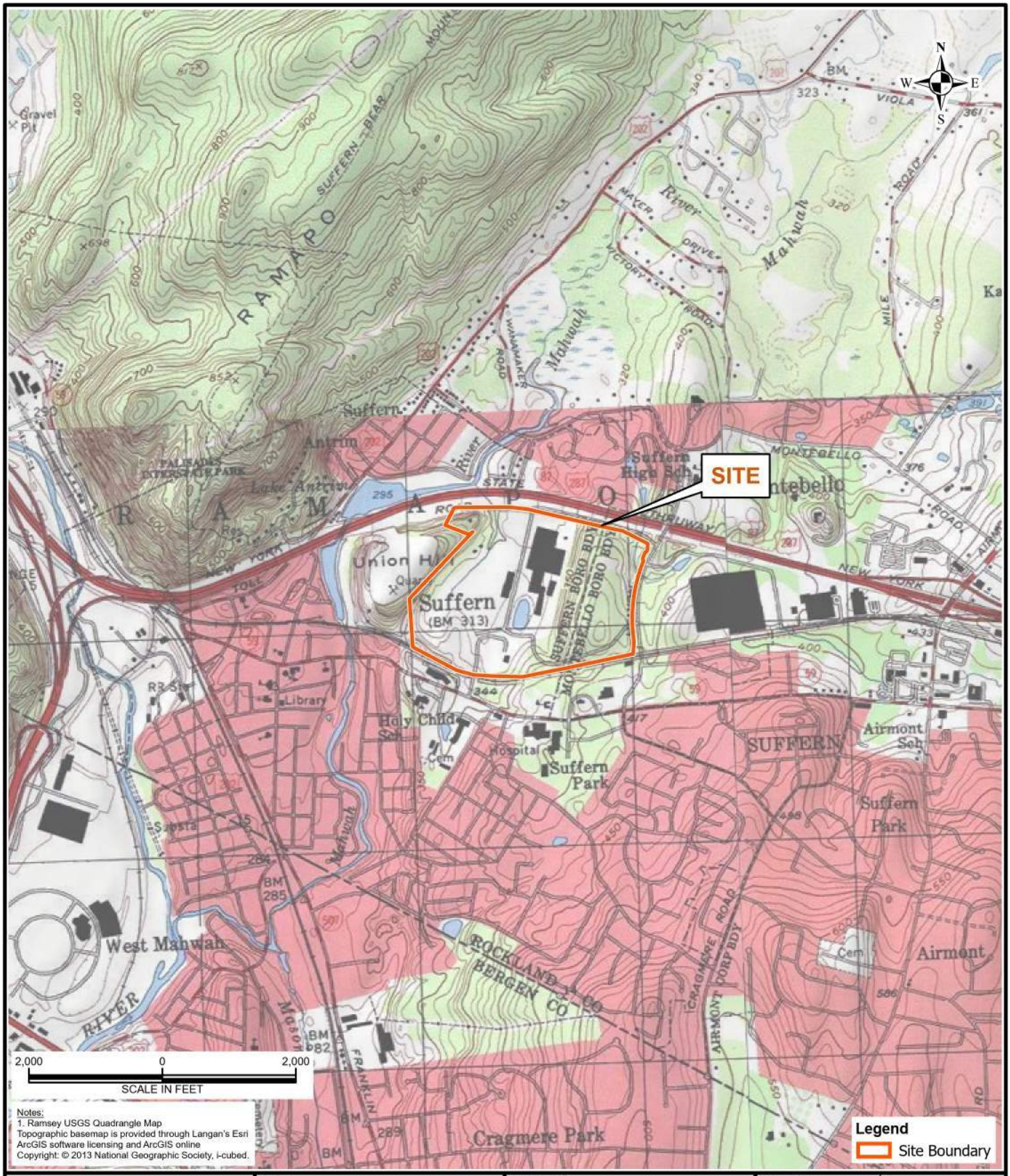
Notes:

Groundwater sample results were compared to the NYSDEC Title 6 of the Official Compilation of NYCRR Part 703.5 and the NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (June 1998).
NYSDEC - New York State Department of Environmental Conservation
NYCRR - New York Codes, Rules and Regulations
TOGS - Technical and Operational Guidance Series
CAS - Chemical Abstract Service
NS - No standard
ug/l - Micrograms per liter
ND - Not detected
Q - Qualifier
MDL - Method detection limit
RL - Reporting Limit
DF - Dilution factor

Qualifiers:
R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:
10 - Result exceeds NYSDEC TOGS GA
10 - MDL exceeds screening level

FIGURES



LANGAN

Langan Engineering and Environmental Services, Inc.

2400 Ansys Drive, Suite 403
Canonsburg, PA 15317-9540

T: 724.514.5100 F: 724.514.5101
www.langan.com

Project	25 OLD MILL ROAD SUFFERN ROCKLAND COUNTY NY
Drawing Title	SITE LOCATION MAP
Project No.	100945101
Date	7/21/2021
Scale	1" = 2,000 feet
Drawn By	IHB
Figure	1

Path: \\langan.com\data\PAR\data1\100865101\Project Data\ArcGIS\APRX\100865101\100865101.aprx

Legend

- SB-2-1 — Soil Borings (EWMA, 2016)
- LAN-SB-3 — Soil Borings (Langan, August 2021)
- LAN-TWP-1 — Temporary Well Points (Langan, August 2021)

FORMER LOCATION OF 15,000-GAL. UST

GENERAL AREA OF OBSERVED HISTORIC FILL

OBSERVED MATERIAL/DEBRIS FILL

±1,450 SF OF WETLAND IMPACTS REQUIRED FOR THIS LAYOUT

ESTIMATED EXTENTS OF NO. 2 FUEL OIL RELEASE (#9313236)

FORMER LOCATION OF 10,000-GAL. USTs (#9002029)

FILL MATERIAL PUSHED OFF ESCARPMENT BELIEVED TO BE PLACED BY QUARRY OPERATIONS

APPROXIMATE FORMER LOCATION OF BURIED 30-GAL. FIBER DRUMS

AREA OF UNKOWN TRASH DISPOSAL

SOIL STAGING AREAS (APPROXIMATE)

HISTORIC FILL PILES

FORMER SOLID WASTE DISPOSAL AREA - ADDITIONAL CONSTRUCTION DEBRIS

FORMER ABANDONED SOLID WASTE DISPOSAL AREA

HAZARDOUS WASTE STORAGE SHED (CSA-1)

OBSERVED HISTORIC FILL PILE

FILL MATERIAL/ CONSTRUCTION DEBRIS

FORMER DRUM STORAGE PAD

OLD MILL ROAD

PARCEL 'A'

PROPOSED RETAINING WALL

VILLAGE OF SUFFERN / VILLAGE OF MONTEBELLO

VILLAGE OF SUFFERN
TAX MAP #55.22–1–1
5,441,758.05 S.F.
124.92 ACRES

VILLAGE OF MONTEBELLO
TAX MAP #55.06–1–1
1,593,385.62 S.F.
OR
36.58 ACRES

TAX MAP SECTION 55.22 BLOCK 1 LOT 1
5,441,763 S.F.
124.926 ACRES

TAX MAP SECTION 55.06 BLOCK 1 LOT 1
1,593,414 S.F.
36.580 ACRES

N/F YONKERS CONTRACTING CO., INC. 55.21–1–1

N/F CONSOLIDATED RAIL CORP.

SCALE IN FEET: 100 0 50 100

LANGAN
Langan Engineering and Environmental Services, Inc.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
SUFFERN-MONTEBELLO INDUSTRIAL PARK
VILLAGE OF SUFFERN - SEC. 55.22, BLOCK 1, LOT 1
VILLAGE OF MONTEBELLO - SEC. 55.06, BLOCK 1, LOT 1
ROCKLAND COUNTY NEW YORK

Drawing Title
SITE PLAN

Project No.	Figure
100945101	1
Date: 11/8/2021	
Drawn By: JR	
Checked By: KT	Sheet ### of ###

PROJECT NO. ########

Legend

- SB-2-1 — Soil Borings (EWMA, 2016)
- LAN-SB-3 — Soil Borings (Langan, August 2021)
- LAN-TWP-1 — Temporary Well Points (Langan, August 2021)

N/F
YONKERS CONTRACTING CO., INC.
55.21–1–1

OLD MILL ROAD

PROPOSED STORMWATER FEATURE

APPROX. BUILDING FOUNDATION

ASPHALT PARKING AREA

FORMER LOCATION OF 15,000-GAL. UST

GENERAL AREA OF OBSERVED HISTORIC FILL

OBSERVED MATERIAL/DEBRIS FILL

±1,450 SF OF WETLAND IMPACTS REQUIRED FOR THIS LAYOUT

PROPOSED RETAINING WALL

PARCEL 'A'

SUFFERN
MONTEBELLO

APPROX. LOCATION OF FOUNDATION ONLY

APPROX. LOCATION MULT–FAMILY HOM (FOUNDATION ONLY

VILLAGE OF MONTEBELLO
TAX MAP #55.06–1–1
1,593,385.62 S.F.
OR
36.58 ACRES

Location	SB-3	
Sample Name	LAN-SB-3_081321	
Sample Date	8/13/2021	
Depth	14.5-15	
Units	mg/kg	Q
Volatile Organic Compounds		
Acetone	0.08	

ESTIMATED EXTENTS OF NO. 2 FUEL OIL RELEASE (#9313236)

FORMER LOCATION OF 10,000-GAL. USTs (#9002029)

PROPOSED RETAINING WALL

FORMER ABANDONED SOLID WASTE DISPOSAL AREA

TAX MAP SECTION 55.22
BLOCK 1
LOT 1
5,441,763 S.F.
124.926 ACRES

VILLAGE OF SUFFERN
VILLAGE OF MONTEBELLO

TAX MAP SECTION 55.06
BLOCK 1
LOT 1
1,593,414 S.F.
36.580 ACRES

100 0 50 100
SCALE IN FEET

VILLAGE OF SUFFERN
TAX MAP #55.22–1–1
5,441,758.05 S.F.
124.92 ACRES

OIL–LIKE ODORS NOTICED DURING FENCE INSTALLATION (#0813037)

FILL MATERIAL PUSHED OFF ESCARPMENT BELIEVED TO BE PLACED BY QUARRY OPERATIONS

APPROXIMATE FORMER LOCATION OF BURIED 30-GAL. FIBER DRUMS

AREA OF UNKOWN TRASH DISPOSAL

SOIL STAGING AREAS (APPROXIMATE)

HISTORIC FILL PILES

FILL MATERIAL/ CONSTRUCTION DEBRIS

N/F CONSOLIDATED RAIL CORP.

±1,200 SF OF WETLAND IMPACTS REQUIRED FOR THIS LAYOUT

±250 SF OF TRIBUTARY IMPACTS REQUIRED FOR THIS LAYOUT

FORMER SOLID WASTE DISPOSAL AREA - ADDITIONAL CONSTRUCTION DEBRIS

HAZARDOUS WASTE STORAGE SHED (CSA-1)

OBSERVED HISTORIC FILL PILE

FORMER DRUM

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Industrial SCOs
Volatile Organic Compounds				
Acetone	0.05	100	500	1000

LANGAN
Langan Engineering and Environmental Services, Inc.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
SUFFERN-MONTEBELLO INDUSTRIAL PARK
VILLAGE OF SUFFERN - SEC. 55.22, BLOCK 1, LOT 1
VILLAGE OF MONTEBELLO - SEC. 55.06, BLOCK 1, LOT 1
ROCKLAND COUNTY NEW YORK

Drawing Title
SOIL SAMPLE RESULTS

Project No.	Figure
100945101	3
Date: 11/08/2021	
Drawn By: JR	
Checked By: KT	Sheet ### of ###

PROJECT NO. ########

Legend

- SB-2-1 — Soil Borings (EWMA, 2016)
- LAN-SB-3 — Soil Borings (Langan, August 2021)
- LAN-TWP-1 — Temporary Well Points (Langan, August 2021)

Location	TWP-1	
Sample Name	LAN-TWP-1_081321	
Sample Date	8/13/2021	
Units	ug/l	Q
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	0.02	J
Benzo(a)pyrene	0.02	J
Benzo(b)fluoranthene	0.04	J
Benzo(k)fluoranthene	0.01	J
Chrysene	0.02	J
Indeno(1,2,3-cd)pyrene	0.02	J

Location	TWP-2	
Sample Name	LAN-TWP-2_081321	
Sample Date	8/13/2021	
Units	ug/l	Q
Semi-Volatile Organic Compounds		
Benzo(b)fluoranthene	0.02	J

Location	TWP-3	
Sample Name	LAN-TWP-3_081321	
Sample Date	8/13/2021	
Units	ug/l	Q
Metals		
Arsenic	73.53	
Barium	4728	
Beryllium	50.95	
Cadmium	25.39	
Chromium, Total	893.7	
Copper	1520	
Iron	1380000	
Lead	413.4	
Magnesium	246000	
Manganese	71480	
Mercury	5.67	
Nickel	1363	
Selenium	161	
Sodium	49300	
Thallium	8.63	J
Zinc	2968	

Location	TWP-4	
Sample Name	LAN-TWP-4_081321	
Sample Date	8/13/2021	
Units	ug/l	Q
Metals		
Arsenic	62	
Barium	1713	
Beryllium	24.06	
Cadmium	6.18	
Chromium, Total	437.8	
Copper	1210	
Iron	661000	
Lead	191.6	
Magnesium	162000	
Manganese	16380	
Mercury	3.18	
Nickel	625	
Selenium	80.8	
Sodium	57300	
Zinc	3.82	

Location	TWP-5	
Sample Name	LAN-TWP-5_081321	
Sample Date	8/13/2021	
Units	ug/l	Q
Semi-Volatile Organic Compounds		
Benzo(b)fluoranthene	0.02	J

Analyte	NYSDEC TOGS GA
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	NS
Indeno(1,2,3-cd)pyrene	0.002
Metals	
Arsenic	25
Barium	1000
Beryllium	3
Cadmium	5
Chromium, Total	50
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Mercury	0.7
Nickel	100
Selenium	10
Sodium	20000
Thallium	0.5
Zinc	2000

FORMER LOCATION OF 15,000-GAL. UST

GENERAL AREA OF OBSERVED HISTORIC FILL

OBSERVED MATERIAL/DEBRIS FILL

ESTIMATED EXTENTS OF NO. 2 FUEL OIL RELEASE (#9313236)

FORMER LOCATION OF 10,000-GAL. USTs (#9002029)

FILL MATERIAL PUSHED OFF ESCARPMENT BELIEVED TO BE PLACED BY QUARRY OPERATIONS

APPROXIMATE FORMER LOCATION OF BURIED 30-GAL. FIBER DRUMS

AREA OF UNKOWN TRASH DISPOSAL

SOIL STAGING AREAS (APPROXIMATE)

HISTORIC FILL PILES

FORMER SOLID WASTE DISPOSAL AREA - ADDITIONAL CONSTRUCTION DEBRIS

FORMER ABANDONED SOLID WASTE DISPOSAL AREA

HAZARDOUS WASTE STORAGE SHED (CSA-1)

OBSERVED HISTORIC FILL PILE

FILL MATERIAL/ CONSTRUCTION DEBRIS

FORMER DRUM STORAGE PAD

N/F YONKERS CONTRACTING CO., INC. 55.21-1-1

VILLAGE OF SUFFERN TAX MAP #55.22-1-1 5,441,758.05 S.F. 124.92 ACRES

VILLAGE OF MONTEBELLO TAX MAP #55.06-1-1 1,593,385.62 S.F. OR 36.58 ACRES

TAX MAP SECTION 55.22 BLOCK 1 LOT 1 5,441,763 S.F. 124.926 ACRES

OLD MILL ROAD

PARCEL 'A'

PROPOSED RETAINING WALL

APPROX. LOCATION OF FOUNDATION ONLY

APPROX. LOCATION MULT-FAMILY HOM (FOUNDATION ONLY

APPROX. LOC. CISTERN

±1,450 SF OF WETLAND IMPACTS REQUIRED FOR THIS LAYOUT

±1,200 SF OF WETLAND IMPACTS REQUIRED FOR THIS LAYOUT

±250 SF OF TRIBUTARY IMPACTS REQUIRED FOR THIS LAYOUT

±230 CAR PARKING STALLS

SCALE IN FEET: 100 0 50 100

LANGAN
Langan Engineering and Environmental Services, Inc.
300 Kimball Drive
Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
SUFFERN-MONTEBELLO INDUSTRIAL PARK
VILLAGE OF SUFFERN - SEC. 55.22, BLOCK 1, LOT 1
VILLAGE OF MONTEBELLO - SEC. 55.06, BLOCK 1, LOT 1
ROCKLAND COUNTY NEW YORK

Drawing Title
GROUNDWATER SAMPLE RESULTS

Project No.	Figure
100945101	4
Date: 11/08/2021	
Drawn By: JR	
Checked By: KT	Sheet ### of ###

PROJECT NO. ########

APPENDIX A

Soil Boring Logs

LANGAN

Log of Boring **LAN-SB-1** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4, Undisturbed, Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First ▽ 11, Completion ▼, 24 HR. ▼
Casing Hammer / Weight (lbs) / Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown fine-medium grained SAND trace fine gravel (dry)	1	1	EXC			0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5					0.0	
	Brown medium-coarse SAND (dry)		1	MACROCORE	3.5		0.0	
	Brown medium-fine SAND (moist)	6					0.0	
		7					0.0	
		8					0.0	
		9	2	MACROCORE	3.0		0.0	
		10					0.0	LAN-SB-1 taken from 10.0-10.5 feet bgs @ 12:30
	Brown coarse SAND (wet) ▽	11					0.0	
		12					0.0	
		13					0.0	
		14	3	MACROCORE	3.0		0.0	
		15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18						
		19						
		20						

LANGAN

Log of Boring **LAN-SB-2** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4, Undisturbed, Core
Casing Diameter (in) / Casing Depth (ft)	Water Level (ft.): First ▽ 13, Completion ▼, 24 HR. ▼
Casing Hammer / Weight (lbs) / Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Dark brown, fine-medium SAND some fine-medium gravel trace cobble (dry)	1	1	EXC			0.0	
	Brown to reddish-brown, fine-medium SAND trace gravel (dry)	2					0.0	
		3					0.0	
		4					0.0	
	Brown, medium-coarse SAND (dry)	5	2	MACROCORE	3.0		0.0	
	Brown, fine-medium SAND (moist)	6					0.0	
		7					0.0	
		8	3	MACROCORE	3.0		0.0	
	Brown, fine SAND some silt (moist)	9					0.0	
	Brown, fine-medium SAND (moist)	10					0.0	
		11					0.0	
		12					0.0	
	Brown, fine-medium SAND (wet) ▽	13	4	MACROCORE	3.0		0.0	LAN-SB-2 taken from 12.5-13.0 @ 12:15
	Brown, coarse SAND (wet)	14					0.0	
		15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18						
		19						
		20						

LANGAN

Log of Boring **LAN-SB-3** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 15 — Completion ▼ — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown, fine-medium SAND some fine gravel trace cobble (dry)	1	1	EXC			0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5	2	MACROCORE	3.5		0.0	
	Brown, medium-fine SAND (moist)	6					0.0	
		7					0.0	
		8	3	MACROCORE	3.5		0.0	
	Reddish brown, coarse-medium SAND some silt (moist)	9					0.0	
		10					0.0	
		11					0.0	
		12	4	MACROCORE	3.0		0.0	
		13					0.0	
		14					0.0	
	Reddish brown, coarse-medium SAND some silt (wet) ▽	15					0.0	LAN-SB-3 taken from 14.5-15.0 feet bgs @ 11:15
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\PAR\DATA1\100945101\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\REPORTS\2021-08 PHASE II ESA\APPENDIX A - SOIL BORING LOGS\GINT LOGS WITHOUT MW.GPJ ... 8/18/2021 5:46:35 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **LAN-SB-4** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/13/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 14 — Completion ▼ — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0	1	MACROCORE			0.0	
	Light brown, fine-medium SAND trace gravel (dry)	1					0.0	
		2					0.0	
	Dark brown, fine-medium SAND trace gravel (moist)	3					0.0	
		4	2	MACROCORE			0.0	
	Dark brown, fine-medium SAND some silt trace gravel (moist)	5					0.0	
		6					0.0	
		7					0.0	
		8	3	MACROCORE			0.0	
		9					0.0	
		10					0.0	
		11					0.0	
		12	4	MACROCORE			0.0	
		13					0.0	
	Dark brown, fine-medium SAND some silt trace gravel (wet) ▽	14					0.0	LAN-SB-4 taken from 13.5-14.0 @ 09:00
	Reddish brown, fine-medium SAND trace gravel (wet)	15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18						
		19						
		20						

LANGAN

Log of Boring **LAN-SB-5/LAN-TWP-3** Sheet 1 of 2

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/13/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 24 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 6 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 20 — Completion ▼ 17.7 — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown, medium-fine SAND (dry)	1	1	MACROCORE	2.0		0.0	
		2					0.0	
		3					0.0	
		4	2	MACROCORE	2.0		0.0	
	Brown, fine SAND some silt (moist)	5					0.0	
		6					0.0	
	Brown, medium-fine SAND (moist)	7					0.0	
		8	3	MACROCORE	2.0		0.0	
	Dark brown, fine SAND some silt (moist)	9					0.0	
		10					0.0	
	Brown, medium-fine SAND trace silt and gravel (moist)	11					0.0	
		12	4	MACROCORE	2.5		0.0	
		13					0.0	
		14					0.0	LAN-SB-5 taken at 15.0-15.5 @09:45
		15					0.0	
	Dark brown, medium SAND some gravel trace silt (dry)	16					0.0	
	Brown, medium-fine SAND some silt (moist)	17	5	MACROCORE	2.5		0.0	
		18					0.0	
		19					0.0	
		20					0.0	

Project	Project No.
25 Mill Road Suffern Phase II	100945101
Location	**Elevation and Datum**
Suffern, New York.	N/A

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Brown, medium-fine SAND some silt (wet)	20	6	MACROCORE	2.0		0.0	
		21					0.0	
		22					0.0	
		23					0.0	
	Brown, coarse SAND (wet)	24					0.0	
	E.O.B @ 24.0 ft bgs	25					0.0	
		26						
		27						
		28						
		29						
		30						
		31						
		32						
		33						
		34						
		35						
		36						
		37						
		38						
		39						
		40						
		41						
		42						
		43						
		44						
		45						

LANGAN

Log of Boring **LAN-TWP-1** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 11.8 — Completion ▼ 11.4 — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown to reddish-brown, fine-medium SAND trace fine gravel (dry)	1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5	1	EXC			0.0	
		6					0.0	
		7					0.0	
	Brown to reddish-brown, fine-medium SAND trace fine gravel (moist)	8					0.0	
		9					0.0	
	Light brown, fine SAND (moist)	10	2	MACROCORE	3.0		0.0	
	Brown to reddish-brown, fine-medium SAND trace fine gravel (moist)	11					0.0	
	Dark brown, medium-coarse SAND and fine gravel (wet)	12					0.0	
		13					0.0	
		14	3	MACROCORE	4.0		0.0	
		15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18	4	MACROCORE	0.0			
		19						
		20						

LANGAN

Log of Boring **LAN-TWP-2** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 12 — Completion ▼ 10.9 — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown, fine-medium SAND some fine gravel trace cobble (dry)	1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5					0.0	
	Brown, fine-medium SAND some gravel (dry)	6					0.0	
	Brown, fine-medium SAND some gravel (moist)	7	1	EXC			0.0	
		8					0.0	
	Grey to very dark brown, fine-coarse SAND (moist)	9					0.0	
		10	2	MACROCORE	4.0		0.0	
	Grey, fine-coarse SAND some silt (moist)	11					0.0	
	Reddish brown to brown, fine-medium SAND trace fine gravel (wet)	12					0.0	
		13					0.0	
		14	3	MACROCORE	3.0		0.0	
	Black to dark grey, fine SAND (wet)	15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18	4	MACROCORE	3.5			
		19						
		20						

LANGAN

Log of Boring **LAN-TWP-4** Sheet 1 of 2

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/13/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 24 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 6 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 22 — Completion ▼ 20.4 — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0	1	MACROCORE	2		0.0	
	Brown, medium-fine SAND (dry)	1					0.0	
	Grey, fine SAND some gravel (dry)	2					0.0	
		3					0.0	
		4	2	MACROCORE	4.0		0.0	
		5					0.0	
	Grey, fine SAND some silt (dry)	6					0.0	
		7					0.0	
		8	3	MACROCORE	3.5		0.0	
		9					0.0	
		10					0.0	
		11					0.0	
		12	4	MACROCORE	3.5		0.0	
		13					0.0	
	Grey, fine SAND some silt (moist)	14					0.0	
		15					0.0	
		16	5	MACROCORE	3.5		0.0	
		17					0.0	
		18					0.0	
		19					0.0	
		20					0.0	

LANGAN

Log of Boring **LAN-TWP-4** Sheet 2 of 2

Project	Project No.
25 Mill Road Suffern Phase II	100945101
Location	**Elevation and Datum**
Suffern, New York.	N/A

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		20					0.0	
		21					0.0	
		22					0.0	
		23					0.0	
		24					0.0	
	Reddish brown, fine-medium SAND (wet)	25	6	MACROCORE	3.0		0.0	
		26					0.0	
		27					0.0	
		28					0.0	
	E.O.B @ 24.0 ft bgs	29					0.0	
		30						
		31						
		32						
		33						
		34						
		35						
		36						
		37						
		38						
		39						
		40						
		41						
		42						
		43						
		44						
		45						

LANGAN

Log of Boring **LAN-TWP-5** Sheet 1 of 1

Project: 25 Mill Road Suffern Phase II	Project No.: 100945101
Location: Suffern, New York.	Elevation and Datum: N/A
Drilling Company: Summit Drilling Company	Date Started: 8/12/21 — Date Finished: 8/13/21
Drilling Equipment: Truck Mounted GeoProbe 5410	Completion Depth: 16 ft — Rock Depth: NE
Size and Type of Bit: 4' direct push	Number of Samples: Disturbed 4 — Undisturbed — Core
Casing Diameter (in) — Casing Depth (ft)	Water Level (ft.): First ▽ 11.5 — Completion ▼ 7.1 — 24 HR. ▼
Casing Hammer — Weight (lbs) — Drop (in)	Drilling Foreman: Bo Crandell
Sampler: 4' long, 2" I.D. Macro Core Liners	Field Engineer: Nick Hodom
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	TOPSOIL	0					0.0	
	Brown, fine-medium SAND trace silt and gravel (moist)	1	1	MACROCORE	3.0		0.0	
		2					0.0	
		3					0.0	
		4					0.0	
	Very dark brown to grey, SANDY CLAY (moist)	5	2	MACROCORE	3.5		0.0	
		6					0.0	
		7 ▼					0.0	
		8					0.0	
	Dark grey, fine SAND (moist)	9	3	MACROCORE	3.5		0.0	
		10					0.0	
	▽ Reddish brown, medium-coarse SAND some fine gravel (wet)	11					0.0	
	Brown, SANDY SILT (wet)	12					0.0	
	Brown, coarse SAND (wet)	13	4	MACROCORE	3.5		0.0	
		14					0.0	
		15					0.0	
		16					0.0	
	E.O.B @ 16.0 ft bgs	17						
		18						
		19						
		20						

APPENDIX B

Laboratory Analytical Data Packages

LANGAN

ANALYTICAL REPORT

Lab Number:	L2143626
Client:	Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172
ATTN:	Kenneth Tyson
Phone:	(973) 560-4900
Project Name:	SUFFERN INDUSTRIAL REDEVELOP
Project Number:	100945101
Report Date:	08/22/21

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

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2143626-01	LAN-TWP-1	WATER	SUFFERN, NY	08/13/21 07:00	08/13/21
L2143626-02	LAN-TWP-2	WATER	SUFFERN, NY	08/13/21 07:15	08/13/21
L2143626-03	LAN-TWP-3	WATER	SUFFERN, NY	08/13/21 10:00	08/13/21
L2143626-04	LAN-TWP-4	WATER	SUFFERN, NY	08/13/21 07:45	08/13/21
L2143626-05	LAN-TWP-5	WATER	SUFFERN, NY	08/13/21 08:00	08/13/21
L2143626-06	LAN-SB-1	SOIL	SUFFERN, NY	08/13/21 12:45	08/13/21
L2143626-07	LAN-SB-2	SOIL	SUFFERN, NY	08/13/21 12:15	08/13/21
L2143626-08	LAN-SB-3	SOIL	SUFFERN, NY	08/13/21 11:15	08/13/21
L2143626-09	LAN-SB-4	SOIL	SUFFERN, NY	08/13/21 09:00	08/13/21
L2143626-10	LAN-SB-5	SOIL	SUFFERN, NY	08/13/21 09:45	08/13/21
L2143626-11	FB20210813	WATER	SUFFERN, NY	08/13/21 14:00	08/13/21
L2143626-12	TB20210813	WATER	SUFFERN, NY	08/13/21 00:00	08/13/21

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

Case Narrative

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

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

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

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

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

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

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

Case Narrative (continued)

Report Submission

August 22, 2021: This final report includes the results of all requested analyses.

August 20, 2021: This is a preliminary report.

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

Sample Receipt

L2143626-12: Headspace was noted in the sample containers submitted for the Volatile Organics analysis. The analysis was performed at the client's request.

Volatile Organics

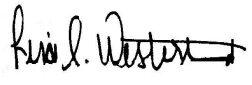
L2143626-12: Headspace was noted in the sample container utilized for analysis.

Total Metals

L2143626-03 and -04: The sample has elevated detection limits for all elements due to the prep dilution required by the sample matrix.

L2143626-11: The Field Blank has a result for zinc and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 08/22/21

ORGANICS

VOLATILES

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01
Client ID: LAN-TWP-1
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 09:34
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01 Date Collected: 08/13/21 07:00

Client ID: LAN-TWP-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01 Date Collected: 08/13/21 07:00

Client ID: LAN-TWP-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02
Client ID: LAN-TWP-2
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:15
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 09:54
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02 Date Collected: 08/13/21 07:15

Client ID: LAN-TWP-2 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.8	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02 Date Collected: 08/13/21 07:15

Client ID: LAN-TWP-2 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-03
Client ID: LAN-TWP-3
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 10:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 10:15
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-03 Date Collected: 08/13/21 10:00

Client ID: LAN-TWP-3 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-03 Date Collected: 08/13/21 10:00

Client ID: LAN-TWP-3 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-04 Date Collected: 08/13/21 07:45
Client ID: LAN-TWP-4 Date Received: 08/13/21
Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 10:35
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-04 Date Collected: 08/13/21 07:45

Client ID: LAN-TWP-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-04 Date Collected: 08/13/21 07:45

Client ID: LAN-TWP-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05
Client ID: LAN-TWP-5
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 08:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 10:55
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05 Date Collected: 08/13/21 08:00

Client ID: LAN-TWP-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05 Date Collected: 08/13/21 08:00

Client ID: LAN-TWP-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	7.9		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-06
Client ID: LAN-SB-1
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 12:45
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/21 11:01
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-06 Date Collected: 08/13/21 12:45

Client ID: LAN-SB-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-06 Date Collected: 08/13/21 12:45

Client ID: LAN-SB-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-07
Client ID: LAN-SB-2
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 12:15
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/21 11:28
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-07 Date Collected: 08/13/21 12:15
Client ID: LAN-SB-2 Date Received: 08/13/21
Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-07 Date Collected: 08/13/21 12:15

Client ID: LAN-SB-2 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-08
Client ID: LAN-SB-3
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 11:15
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/21 11:54
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.85	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.85	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.85	0.11	1
Dibromochloromethane	ND		ug/kg	0.85	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.85	0.46	1
Ethylbenzene	ND		ug/kg	0.85	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.85	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-08 Date Collected: 08/13/21 11:15

Client ID: LAN-SB-3 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.85	0.25	1
Xylenes, Total	ND		ug/kg	0.85	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.85	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.85	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.78	1
Acetone	ND		ug/kg	8.5	4.1	1
Carbon disulfide	ND		ug/kg	8.5	3.9	1
2-Butanone	ND		ug/kg	8.5	1.9	1
Vinyl acetate	ND		ug/kg	8.5	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.5	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.85	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.85	0.14	1
sec-Butylbenzene	ND		ug/kg	0.85	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.85	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.85	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.98	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-08 Date Collected: 08/13/21 11:15

Client ID: LAN-SB-3 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.85	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	68	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-09
Client ID: LAN-SB-4
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 09:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/21 12:20
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-09 Date Collected: 08/13/21 09:00

Client ID: LAN-SB-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	75		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	11		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-09 Date Collected: 08/13/21 09:00

Client ID: LAN-SB-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	103		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-10
Client ID: LAN-SB-5
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 09:45
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/21 12:46
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.51	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-10 Date Collected: 08/13/21 09:45

Client ID: LAN-SB-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	18		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	0.54	J	ug/kg	0.95	0.10	1
Naphthalene	1.6	J	ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-10 Date Collected: 08/13/21 09:45

Client ID: LAN-SB-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11
Client ID: FB20210813
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 14:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 11:16
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11 Date Collected: 08/13/21 14:00

Client ID: FB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11 Date Collected: 08/13/21 14:00

Client ID: FB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-12
Client ID: TB20210813
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 00:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/17/21 11:36
Analyst: AJK

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-12 Date Collected: 08/13/21 00:00

Client ID: TB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-12 Date Collected: 08/13/21 00:00

Client ID: TB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/21 07:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,11-12 Batch: WG1536165-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/21 07:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,11-12 Batch: WG1536165-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/21 07:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,11-12 Batch: WG1536165-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/21 07:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-10 Batch: WG1536488-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/21 07:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-10 Batch: WG1536488-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/21 07:08
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-10 Batch: WG1536488-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,11-12 Batch: WG1536165-3 WG1536165-4								
Methylene chloride	91		90		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	87		88		63-132	1		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	74		75		63-130	1		20
1,1,2-Trichloroethane	95		93		70-130	2		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	97		98		67-130	1		20
Bromodichloromethane	84		85		67-130	1		20
trans-1,3-Dichloropropene	85		87		70-130	2		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	63		65		54-136	3		20
1,1,2,2-Tetrachloroethane	90		88		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	100		99		64-130	1		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,11-12 Batch: WG1536165-3 WG1536165-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	99		97		70-130	2		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	93		91		70-130	2		20
1,2,3-Trichloropropane	89		86		64-130	3		20
Acrylonitrile	91		88		70-130	3		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	130		120		36-147	8		20
Acetone	86		84		58-148	2		20
Carbon disulfide	97		95		51-130	2		20
2-Butanone	92		94		63-138	2		20
Vinyl acetate	88		90		70-130	2		20
4-Methyl-2-pentanone	85		88		59-130	3		20
2-Hexanone	81		83		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,11-12 Batch: WG1536165-3 WG1536165-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	94		95		70-130	1		20
1,3-Dichloropropane	97		96		70-130	1		20
1,1,1,2-Tetrachloroethane	76		78		64-130	3		20
Bromobenzene	100		96		70-130	4		20
n-Butylbenzene	120		100		53-136	18		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	110		99		70-130	11		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	58		58		41-144	0		20
Hexachlorobutadiene	100		94		63-130	6		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	120		110		70-130	9		20
Naphthalene	95		91		70-130	4		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	98		94		70-130	4		20
1,2,4-Trichlorobenzene	100		94		70-130	6		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	92		98		56-162	6		20
p-Diethylbenzene	110		99		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,11-12 Batch: WG1536165-3 WG1536165-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	90		93		59-134	3		20
trans-1,4-Dichloro-2-butene	77		76		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	103		100		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-10 Batch: WG1536488-3 WG1536488-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	94		92		70-130	2		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	100		96		70-130	4		30
1,2-Dichloropropane	94		93		70-130	1		30
Dibromochloromethane	98		97		70-130	1		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	98		94		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	124		115		70-139	8		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	98		94		70-130	4		30
Bromodichloromethane	97		93		70-130	4		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	97		96		70-130	1		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	93		93		70-130	0		30
Benzene	93		91		70-130	2		30
Toluene	88		87		70-130	1		30
Ethylbenzene	92		90		70-130	2		30
Chloromethane	90		90		52-130	0		30
Bromomethane	112		106		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-10 Batch: WG1536488-3 WG1536488-4								
Vinyl chloride	109		105		67-130	4		30
Chloroethane	118		110		50-151	7		30
1,1-Dichloroethene	95		93		65-135	2		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	97		95		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	91		90		66-130	1		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	96		93		70-130	3		30
cis-1,2-Dichloroethene	93		91		70-130	2		30
Dibromomethane	100		100		70-130	0		30
Styrene	98		95		70-130	3		30
Dichlorodifluoromethane	90		87		30-146	3		30
Acetone	110		111		54-140	1		30
Carbon disulfide	85		82		59-130	4		30
2-Butanone	77		82		70-130	6		30
Vinyl acetate	91		89		70-130	2		30
4-Methyl-2-pentanone	89		90		70-130	1		30
1,2,3-Trichloropropane	93		93		68-130	0		30
2-Hexanone	88		90		70-130	2		30
Bromochloromethane	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-10 Batch: WG1536488-3 WG1536488-4								
2,2-Dichloropropane	95		92		70-130	3		30
1,2-Dibromoethane	89		90		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	92		92		70-130	0		30
n-Butylbenzene	98		96		70-130	2		30
sec-Butylbenzene	94		92		70-130	2		30
tert-Butylbenzene	92		90		70-130	2		30
o-Chlorotoluene	73		73		70-130	0		30
p-Chlorotoluene	88		87		70-130	1		30
1,2-Dibromo-3-chloropropane	83		86		68-130	4		30
Hexachlorobutadiene	91		90		67-130	1		30
Isopropylbenzene	90		89		70-130	1		30
p-Isopropyltoluene	96		94		70-130	2		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	92		93		70-130	1		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	90		90		70-130	0		30
1,2,4-Trimethylbenzene	90		90		70-130	0		30
1,4-Dioxane	76		76		65-136	0		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-10 Batch: WG1536488-3 WG1536488-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Ethyl ether	93		94		67-130	1		30
trans-1,4-Dichloro-2-butene	97		99		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	89		90		70-130
Dibromofluoromethane	101		99		70-130

SEMIVOLATILES

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01
Client ID: LAN-TWP-1
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/19/21 09:59
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01 Date Collected: 08/13/21 07:00

Client ID: LAN-TWP-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	74		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01
Client ID: LAN-TWP-1
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/20/21 14:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-01 Date Collected: 08/13/21 07:00

Client ID: LAN-TWP-1 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	93		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02
Client ID: LAN-TWP-2
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:15
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/19/21 10:25
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.9	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02 Date Collected: 08/13/21 07:15

Client ID: LAN-TWP-2 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	80		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02
Client ID: LAN-TWP-2
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 07:15
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/20/21 15:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-02 Date Collected: 08/13/21 07:15

Client ID: LAN-TWP-2 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	92		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05
Client ID: LAN-TWP-5
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 08:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/19/21 10:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05 Date Collected: 08/13/21 08:00

Client ID: LAN-TWP-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	66		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05
Client ID: LAN-TWP-5
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 08:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/20/21 15:22
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-05 Date Collected: 08/13/21 08:00

Client ID: LAN-TWP-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	81		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11
Client ID: FB20210813
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 14:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/19/21 11:17
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.9	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11 Date Collected: 08/13/21 14:00

Client ID: FB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	71		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11
Client ID: FB20210813
Sample Location: SUFFERN, NY

Date Collected: 08/13/21 14:00
Date Received: 08/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/20/21 15:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

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

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11 Date Collected: 08/13/21 14:00

Client ID: FB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	86		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/19/21 08:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,11 Batch: WG1536478-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/19/21 08:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,11 Batch: WG1536478-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/19/21 08:41
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05,11 Batch: WG1536478-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	73		41-149

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/19/21 11:27
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,05,11 Batch: WG1536479-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/19/21 11:27
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/18/21 11:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02,05,11 Batch: WG1536479-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536478-2 WG1536478-3								
Acenaphthene	62		60		37-111	3		30
1,2,4-Trichlorobenzene	56		44		39-98	24		30
Hexachlorobenzene	65		62		40-140	5		30
Bis(2-chloroethyl)ether	60		48		40-140	22		30
2-Chloronaphthalene	63		57		40-140	10		30
1,2-Dichlorobenzene	52		42		40-140	21		30
1,3-Dichlorobenzene	47		41		40-140	14		30
1,4-Dichlorobenzene	48		40		36-97	18		30
3,3'-Dichlorobenzidine	51		55		40-140	8		30
2,4-Dinitrotoluene	62		64		48-143	3		30
2,6-Dinitrotoluene	64		63		40-140	2		30
Fluoranthene	67		68		40-140	1		30
4-Chlorophenyl phenyl ether	63		62		40-140	2		30
4-Bromophenyl phenyl ether	60		58		40-140	3		30
Bis(2-chloroisopropyl)ether	60		51		40-140	16		30
Bis(2-chloroethoxy)methane	64		57		40-140	12		30
Hexachlorobutadiene	54		47		40-140	14		30
Hexachlorocyclopentadiene	52		45		40-140	14		30
Hexachloroethane	49		44		40-140	11		30
Isophorone	65		57		40-140	13		30
Naphthalene	58		48		40-140	19		30
Nitrobenzene	63		51		40-140	21		30
NDPA/DPA	67		66		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536478-2 WG1536478-3								
n-Nitrosodi-n-propylamine	65		54		29-132	18		30
Bis(2-ethylhexyl)phthalate	67		71		40-140	6		30
Butyl benzyl phthalate	71		70		40-140	1		30
Di-n-butylphthalate	69		70		40-140	1		30
Di-n-octylphthalate	73		76		40-140	4		30
Diethyl phthalate	67		64		40-140	5		30
Dimethyl phthalate	63		66		40-140	5		30
Benzo(a)anthracene	63		66		40-140	5		30
Benzo(a)pyrene	69		72		40-140	4		30
Benzo(b)fluoranthene	69		68		40-140	1		30
Benzo(k)fluoranthene	68		74		40-140	8		30
Chrysene	66		68		40-140	3		30
Acenaphthylene	65		62		45-123	5		30
Anthracene	67		67		40-140	0		30
Benzo(ghi)perylene	66		69		40-140	4		30
Fluorene	66		64		40-140	3		30
Phenanthrene	65		66		40-140	2		30
Dibenzo(a,h)anthracene	66		68		40-140	3		30
Indeno(1,2,3-cd)pyrene	71		70		40-140	1		30
Pyrene	66		67		26-127	2		30
Biphenyl	68		62		40-140	9		30
4-Chloroaniline	60		70		40-140	15		30
2-Nitroaniline	67		68		52-143	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536478-2 WG1536478-3								
3-Nitroaniline	62		62		25-145	0		30
4-Nitroaniline	61		62		51-143	2		30
Dibenzofuran	66		62		40-140	6		30
2-Methylnaphthalene	64		56		40-140	13		30
1,2,4,5-Tetrachlorobenzene	62		53		2-134	16		30
Acetophenone	64		54		39-129	17		30
2,4,6-Trichlorophenol	65		64		30-130	2		30
p-Chloro-m-cresol	70		73		23-97	4		30
2-Chlorophenol	58		54		27-123	7		30
2,4-Dichlorophenol	68		62		30-130	9		30
2,4-Dimethylphenol	55		63		30-130	14		30
2-Nitrophenol	59		51		30-130	15		30
4-Nitrophenol	63		64		10-80	2		30
2,4-Dinitrophenol	65		61		20-130	6		30
4,6-Dinitro-o-cresol	65		58		20-164	11		30
Pentachlorophenol	62		59		9-103	5		30
Phenol	54		50		12-110	8		30
2-Methylphenol	68		64		30-130	6		30
3-Methylphenol/4-Methylphenol	68		68		30-130	0		30
2,4,5-Trichlorophenol	65		65		30-130	0		30
Benzoic Acid	49		25		10-164	**65**	Q	30
Benzyl Alcohol	68		63		26-116	8		30
Carbazole	72		73		55-144	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536478-2 WG1536478-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		57		21-120
Phenol-d6	60		55		10-120
Nitrobenzene-d5	71		56		23-120
2-Fluorobiphenyl	68		60		15-120
2,4,6-Tribromophenol	68		66		10-120
4-Terphenyl-d14	75		73		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536479-2 WG1536479-3								
Acenaphthene	46		58		40-140	23		40
2-Chloronaphthalene	45		55		40-140	20		40
Fluoranthene	58		73		40-140	23		40
Hexachlorobutadiene	40		42		40-140	5		40
Naphthalene	41		49		40-140	18		40
Benzo(a)anthracene	57		70		40-140	20		40
Benzo(a)pyrene	55		67		40-140	20		40
Benzo(b)fluoranthene	55		70		40-140	24		40
Benzo(k)fluoranthene	61		76		40-140	22		40
Chrysene	57		73		40-140	25		40
Acenaphthylene	46		55		40-140	18		40
Anthracene	53		68		40-140	25		40
Benzo(ghi)perylene	55		68		40-140	21		40
Fluorene	50		65		40-140	26		40
Phenanthrene	52		68		40-140	27		40
Dibenzo(a,h)anthracene	55		69		40-140	23		40
Indeno(1,2,3-cd)pyrene	54		68		40-140	23		40
Pyrene	58		73		40-140	23		40
2-Methylnaphthalene	44		52		40-140	17		40
Pentachlorophenol	75		98		40-140	27		40
Hexachlorobenzene	42		55		40-140	27		40
Hexachloroethane	42		43		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02,05,11 Batch: WG1536479-2 WG1536479-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		46		21-120
Phenol-d6	42		45		10-120
Nitrobenzene-d5	69		75		23-120
2-Fluorobiphenyl	49		61		15-120
2,4,6-Tribromophenol	61		75		10-120
4-Terphenyl-d14	69		87		41-149

METALS

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-03 Date Collected: 08/13/21 10:00

Client ID: LAN-TWP-3 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	480.		mg/l	0.200	0.0654	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.08000	0.00858	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Arsenic, Total	0.07353		mg/l	0.01000	0.00330	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Barium, Total	4.728		mg/l	0.01000	0.00346	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Beryllium, Total	0.05095		mg/l	0.01000	0.00214	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Cadmium, Total	0.02539		mg/l	0.00400	0.00119	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Calcium, Total	229.		mg/l	2.00	0.788	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Chromium, Total	0.8937		mg/l	0.02000	0.00356	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Cobalt, Total	0.6441		mg/l	0.01000	0.00326	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Copper, Total	1.520		mg/l	0.02000	0.00768	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Iron, Total	1380		mg/l	1.00	0.382	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Lead, Total	0.4134		mg/l	0.02000	0.00686	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Magnesium, Total	246.		mg/l	1.40	0.484	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Manganese, Total	71.48		mg/l	0.02000	0.00880	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Mercury, Total	0.00567		mg/l	0.00500	0.00228	1	08/18/21 03:55	08/18/21 11:25	EPA 7470A	1,7470A	OU
Nickel, Total	1.363		mg/l	0.04000	0.01112	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Potassium, Total	66.9		mg/l	2.00	0.618	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Selenium, Total	0.161		mg/l	0.100	0.0346	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00800	0.00326	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Sodium, Total	49.3		mg/l	2.00	0.586	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Thallium, Total	0.00863	J	mg/l	0.02000	0.00286	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Vanadium, Total	1.123		mg/l	0.1000	0.03140	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD
Zinc, Total	2.968		mg/l	0.2000	0.06820	1	08/18/21 00:38	08/19/21 14:28	EPA 3005A	1,6020B	CD

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-04 Date Collected: 08/13/21 07:45

Client ID: LAN-TWP-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	306.		mg/l	0.100	0.0327	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.04000	0.00429	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Arsenic, Total	0.06200		mg/l	0.00500	0.00165	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Barium, Total	1.713		mg/l	0.00500	0.00173	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Beryllium, Total	0.02406		mg/l	0.00500	0.00107	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00618		mg/l	0.00200	0.00059	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Calcium, Total	164.		mg/l	1.00	0.394	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Chromium, Total	0.4378		mg/l	0.01000	0.00178	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Cobalt, Total	0.3448		mg/l	0.00500	0.00163	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Copper, Total	1.210		mg/l	0.01000	0.00384	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Iron, Total	661.		mg/l	0.500	0.191	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Lead, Total	0.1916		mg/l	0.01000	0.00343	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Magnesium, Total	162.		mg/l	0.700	0.242	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Manganese, Total	16.38		mg/l	0.01000	0.00440	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Mercury, Total	0.00318		mg/l	0.00200	0.00091	1	08/18/21 03:55	08/18/21 11:28	EPA 7470A	1,7470A	OU
Nickel, Total	0.6250		mg/l	0.02000	0.00556	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Potassium, Total	35.0		mg/l	1.00	0.309	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Selenium, Total	0.0808		mg/l	0.0500	0.0173	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00400	0.00163	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Sodium, Total	57.3		mg/l	1.00	0.293	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Thallium, Total	0.00382	J	mg/l	0.01000	0.00143	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Vanadium, Total	0.8161		mg/l	0.05000	0.01570	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD
Zinc, Total	1.732		mg/l	0.1000	0.03410	1	08/18/21 00:38	08/19/21 14:33	EPA 3005A	1,6020B	CD

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-09 Date Collected: 08/13/21 09:00

Client ID: LAN-SB-4 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7820		mg/kg	9.23	2.49	2	08/14/21 11:20	08/16/21 17:25	EPA 3050B	1,6010D	SV
Antimony, Total	0.776	J	mg/kg	4.62	0.351	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Arsenic, Total	2.86		mg/kg	0.923	0.192	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Barium, Total	29.3		mg/kg	0.923	0.161	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Beryllium, Total	0.342	J	mg/kg	0.462	0.031	2	08/14/21 11:20	08/16/21 17:25	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.923	0.091	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Calcium, Total	1050		mg/kg	9.23	3.23	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Chromium, Total	10.7		mg/kg	0.923	0.089	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Cobalt, Total	4.23		mg/kg	1.85	0.153	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Copper, Total	9.72		mg/kg	0.923	0.238	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Iron, Total	14400		mg/kg	4.62	0.834	2	08/14/21 11:20	08/16/21 17:25	EPA 3050B	1,6010D	SV
Lead, Total	8.65		mg/kg	4.62	0.247	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Magnesium, Total	1560		mg/kg	9.23	1.42	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Manganese, Total	302		mg/kg	0.923	0.147	2	08/14/21 11:20	08/16/21 17:25	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.075	0.049	1	08/14/21 12:30	08/15/21 12:21	EPA 7471B	1,7471B	OU
Nickel, Total	7.13		mg/kg	2.31	0.223	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Potassium, Total	270		mg/kg	231	13.3	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Selenium, Total	ND		mg/kg	1.85	0.238	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Silver, Total	ND		mg/kg	0.923	0.261	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Sodium, Total	37.2	J	mg/kg	185	2.91	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Thallium, Total	ND		mg/kg	1.85	0.291	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Vanadium, Total	19.0		mg/kg	0.923	0.187	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL
Zinc, Total	26.9		mg/kg	4.62	0.270	2	08/14/21 11:20	08/16/21 16:46	EPA 3050B	1,6010D	VL

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-10 Date Collected: 08/13/21 09:45

Client ID: LAN-SB-5 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6530		mg/kg	8.69	2.35	2	08/14/21 11:20	08/16/21 18:01	EPA 3050B	1,6010D	SV
Antimony, Total	0.443	J	mg/kg	4.35	0.330	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Arsenic, Total	2.58		mg/kg	0.869	0.181	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Barium, Total	24.2		mg/kg	0.869	0.151	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Beryllium, Total	0.304	J	mg/kg	0.435	0.029	2	08/14/21 11:20	08/16/21 18:01	EPA 3050B	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.869	0.085	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Calcium, Total	1920		mg/kg	8.69	3.04	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Chromium, Total	15.2		mg/kg	0.869	0.083	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Cobalt, Total	4.92		mg/kg	1.74	0.144	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Copper, Total	18.3		mg/kg	0.869	0.224	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Iron, Total	14600		mg/kg	4.35	0.785	2	08/14/21 11:20	08/16/21 18:01	EPA 3050B	1,6010D	SV
Lead, Total	6.93		mg/kg	4.35	0.233	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Magnesium, Total	1860		mg/kg	8.69	1.34	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Manganese, Total	226		mg/kg	0.869	0.138	2	08/14/21 11:20	08/16/21 18:01	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.072	0.047	1	08/14/21 12:30	08/15/21 12:31	EPA 7471B	1,7471B	OU
Nickel, Total	7.82		mg/kg	2.17	0.210	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Potassium, Total	330		mg/kg	217	12.5	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Selenium, Total	ND		mg/kg	1.74	0.224	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Silver, Total	ND		mg/kg	0.869	0.246	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Sodium, Total	74.5	J	mg/kg	174	2.74	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Vanadium, Total	19.0		mg/kg	0.869	0.176	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL
Zinc, Total	28.1		mg/kg	4.35	0.255	2	08/14/21 11:20	08/16/21 16:51	EPA 3050B	1,6010D	VL

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-11 Date Collected: 08/13/21 14:00

Client ID: FB20210813 Date Received: 08/13/21

Sample Location: SUFFERN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Barium, Total	0.00039	J	mg/l	0.00050	0.00017	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Calcium, Total	0.0823	J	mg/l	0.100	0.0394	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Mercury, Total	0.00016	J	mg/l	0.00020	0.00009	1	08/18/21 03:55	08/18/21 11:32	EPA 7470A	1,7470A	OU
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Sodium, Total	0.284		mg/l	0.100	0.0293	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD
Zinc, Total	0.01416		mg/l	0.01000	0.00341	1	08/18/21 00:38	08/19/21 14:04	EPA 3005A	1,6020B	CD

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09-10 Batch: WG1535072-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/14/21 12:30	08/15/21 10:51	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09-10 Batch: WG1535073-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/14/21 11:20	08/16/21 16:13	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Iron, Total	0.524	J	mg/kg	2.00	0.361	1	08/14/21 11:20	08/16/21 16:13	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Manganese, Total	0.180	J	mg/kg	0.400	0.064	1	08/14/21 11:20	08/16/21 16:13	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Potassium, Total	ND		mg/kg	100	5.76	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Silver, Total	ND		mg/kg	0.400	0.113	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/14/21 11:20	08/16/21 14:43	1,6010D	VL

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-04,11 Batch: WG1535192-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Thallium, Total	0.00018	J	mg/l	0.00100	0.00014	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/18/21 00:38	08/19/21 14:00	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Project Name: SUFFERN INDUSTRIAL REDEVELOP **Lab Number:** L2143626

Project Number: 100945101 **Report Date:** 08/22/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-04,11 Batch: WG1535193-1										
Mercury, Total	0.00015	J	mg/l	0.00020	0.00009	1	08/18/21 03:55	08/18/21 11:00	1,7470A	OU

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 Batch: WG1535072-2 SRM Lot Number: D109-540								
Mercury, Total	83		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 Batch: WG1535073-2 SRM Lot Number: D109-540					
Aluminum, Total	69	-	50-150	-	
Antimony, Total	141	-	19-250	-	
Arsenic, Total	98	-	70-130	-	
Barium, Total	85	-	75-125	-	
Beryllium, Total	92	-	75-125	-	
Cadmium, Total	100	-	75-125	-	
Calcium, Total	81	-	73-128	-	
Chromium, Total	96	-	70-130	-	
Cobalt, Total	101	-	75-125	-	
Copper, Total	93	-	75-125	-	
Iron, Total	88	-	35-165	-	
Lead, Total	92	-	72-128	-	
Magnesium, Total	77	-	62-138	-	
Manganese, Total	97	-	74-126	-	
Nickel, Total	100	-	70-130	-	
Potassium, Total	74	-	59-141	-	
Selenium, Total	99	-	68-132	-	
Silver, Total	93	-	68-131	-	
Sodium, Total	92	-	35-165	-	
Thallium, Total	95	-	68-131	-	
Vanadium, Total	93	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 Batch: WG1535073-2 SRM Lot Number: D109-540					
Zinc, Total	96	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 Batch: WG1535192-2					
Aluminum, Total	98	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	108	-	80-120	-	
Chromium, Total	95	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	103	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	104	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	97	-	80-120	-	
Potassium, Total	106	-	80-120	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	92	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 Batch: WG1535192-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 Batch: WG1535193-2					
Mercury, Total	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535072-3 QC Sample: L2143508-01 Client ID: MS Sample												
Mercury, Total	0.096	0.164	0.255	97		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535073-3 QC Sample: L2143508-01 Client ID: MS Sample										
Aluminum, Total	2520	203	3780	**620**	Q	-	-	75-125	-	20
Antimony, Total	3.37	50.8	43.1	78		-	-	75-125	-	20
Arsenic, Total	8.79	12.2	19.5	88		-	-	75-125	-	20
Barium, Total	71.5	203	238	82		-	-	75-125	-	20
Beryllium, Total	0.270	5.08	4.09	75		-	-	75-125	-	20
Cadmium, Total	0.305J	5.39	4.56	85		-	-	75-125	-	20
Calcium, Total	7760	1020	10000	**220**	Q	-	-	75-125	-	20
Chromium, Total	7.45	20.3	25.0	86		-	-	75-125	-	20
Cobalt, Total	4.32	50.8	43.7	77		-	-	75-125	-	20
Copper, Total	67.4	25.4	95.1	109		-	-	75-125	-	20
Iron, Total	13200	102	17200	**3930**	Q	-	-	75-125	-	20
Lead, Total	80.3	53.9	110	**55**	Q	-	-	75-125	-	20
Magnesium, Total	577	1020	1910	**131**	Q	-	-	75-125	-	20
Manganese, Total	171	50.8	245	**146**	Q	-	-	75-125	-	20
Nickel, Total	11.0	50.8	50.0	77		-	-	75-125	-	20
Potassium, Total	210	1020	1030	81		-	-	75-125	-	20
Selenium, Total	0.677J	12.2	10.6	87		-	-	75-125	-	20
Silver, Total	ND	30.5	25.0	82		-	-	75-125	-	20
Sodium, Total	27.0J	1020	862	85		-	-	75-125	-	20
Thallium, Total	ND	12.2	7.49	**61**	Q	-	-	75-125	-	20
Vanadium, Total	9.90	50.8	52.5	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535073-3 QC Sample: L2143508-01 Client ID: MS Sample									
Zinc, Total	115	50.8	164	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 QC Batch ID: WG1535192-3 QC Sample: L2143868-01 Client ID: MS Sample									
Aluminum, Total	0.007J	2	1.89	94	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.5068	101	-	-	75-125	-	20
Arsenic, Total	0.00061	0.12	0.1244	103	-	-	75-125	-	20
Barium, Total	0.0268	2	2.035	100	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04865	97	-	-	75-125	-	20
Cadmium, Total	0.0001J	0.053	0.05466	103	-	-	75-125	-	20
Calcium, Total	16.6	10	27.3	107	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1876	94	-	-	75-125	-	20
Cobalt, Total	0.0004J	0.5	0.4965	99	-	-	75-125	-	20
Copper, Total	0.0923	0.25	0.3444	101	-	-	75-125	-	20
Iron, Total	0.070	1	1.10	103	-	-	75-125	-	20
Lead, Total	0.0009J	0.53	0.5310	100	-	-	75-125	-	20
Magnesium, Total	0.827	10	10.7	99	-	-	75-125	-	20
Manganese, Total	0.0876	0.5	0.5610	95	-	-	75-125	-	20
Nickel, Total	0.0017J	0.5	0.4762	95	-	-	75-125	-	20
Potassium, Total	3.08	10	13.5	104	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.116	97	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05189	104	-	-	75-125	-	20
Sodium, Total	43.8	10	52.0	82	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1227	102	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4488	90	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 QC Batch ID: WG1535192-3 QC Sample: L2143868-01 Client ID: MS Sample									
Zinc, Total	0.0147	0.5	0.5310	103	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 QC Batch ID: WG1535193-3 QC Sample: L2143004-06 Client ID: MS Sample									
Mercury, Total	0.00015J	0.005	0.00499	100	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535072-4 QC Sample: L2143508-01 Client ID: DUP Sample						
Mercury, Total	0.096	0.107	mg/kg	11		20
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535073-4 QC Sample: L2143508-01 Client ID: DUP Sample						
Arsenic, Total	8.79	10.7	mg/kg	20		20
Copper, Total	67.4	70.9	mg/kg	5		20
Lead, Total	80.3	71.4	mg/kg	12		20
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 QC Batch ID: WG1535192-4 QC Sample: L2143868-01 Client ID: DUP Sample						
Arsenic, Total	0.00061	0.00064	mg/l	5		20
Total Metals - Mansfield Lab Associated sample(s): 03-04,11 QC Batch ID: WG1535193-4 QC Sample: L2143004-06 Client ID: DUP Sample						
Mercury, Total	0.00015J	0.00014J	mg/l	NC		20

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2143626
Report Date: 08/22/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-10 QC Batch ID: WG1535073-6 QC Sample: L2143508-01 Client ID: DUP Sample						
Copper, Total	67.4	81.3	mg/kg	**21**	Q	20
Lead, Total	80.3	100	mg/kg	**25**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-06
Client ID: LAN-SB-1
Sample Location: SUFFERN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/13/21 12:45
Date Received: 08/13/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/14/21 08:19	121,2540G	RI

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-07
Client ID: LAN-SB-2
Sample Location: SUFFERN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/13/21 12:15
Date Received: 08/13/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	08/14/21 08:19	121,2540G	RI

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-08
Client ID: LAN-SB-3
Sample Location: SUFFERN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/13/21 11:15
Date Received: 08/13/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/14/21 08:19	121,2540G	RI

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-09
Client ID: LAN-SB-4
Sample Location: SUFFERN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/13/21 09:00
Date Received: 08/13/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/14/21 08:19	121,2540G	RI

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101
Lab Number: L2143626
Report Date: 08/22/21

SAMPLE RESULTS

Lab ID: L2143626-10
Client ID: LAN-SB-5
Sample Location: SUFFERN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/13/21 09:45
Date Received: 08/13/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/14/21 08:19	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SUFFERN INDUSTRIAL REDEVELOP

Project Number: 100945101

Lab Number: L2143626

Report Date: 08/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-10 QC Batch ID: WG1535066-1 QC Sample: L2143549-01 Client ID: DUP Sample						
Solids, Total	75.5	75.0	%	1		20

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143626-01A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-01B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-01C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-01D	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-01E	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-02A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-02B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-02C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-02D	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-02E	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-03A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-03B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-03C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-03D	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2143626-04A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-04B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-04C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143626-04D	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2143626-05A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-05B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-05C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-05D	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-05E	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-06A	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-06B	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-06C	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-06D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2143626-06X	Vial MeOH preserved split	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-06Y	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-06Z	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-07A	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-07B	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-07C	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-07D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2143626-07X	Vial MeOH preserved split	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-07Y	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-07Z	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-08A	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-08B	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-08C	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-08D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143626-08X	Vial MeOH preserved split	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-08Y	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-08Z	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-09A	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-09B	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-09C	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-09D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2143626-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2143626-09X	Vial MeOH preserved split	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-09Y	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-09Z	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-10A	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-10B	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-10C	5 gram Encore Sampler	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-10D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2143626-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2143626-10X	Vial MeOH preserved split	A	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2143626-10Y	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-10Z	Vial Water preserved split	A	NA		5.2	Y	Absent	14-AUG-21 07:59	NYTCL-8260HLW(14)
L2143626-11A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-11B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-11C	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SUFFERN INDUSTRIAL REDEVELOP
Project Number: 100945101

Lab Number: L2143626
Report Date: 08/22/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143626-11D	Plastic 250ml HNO3 preserved	A	<2	<2	5.2	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2143626-11E	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-11F	Amber 250ml unpreserved	A	7	7	5.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143626-12A	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)
L2143626-12B	Vial HCl preserved	A	NA		5.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

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

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	SUFFERN INDUSTRIAL REDEVELOP	**Lab Number:**	L2143626
Project Number:	100945101	**Report Date:**	08/22/21

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab 08/13/21

ALPHA Job # L2143626

Project Information
Project Name: Suffern Industrial Redevelopment
Project Location: Suffern, NY
Project # 100945101
(Use Project name as Project #) ☐
Project Manager: Ken Tyson
ALPHAQuote #:

Turn-Around Time
Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Client Information
Client: Langan
Address: 300 Kimball Drive
Parsippany NJ 07054
Phone: 973 560 4900
Fax:
Email: ktyson@langan.com

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please cc nhoclom@langan.com

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Metals	SVOC	VOCs	Metals				Sample Specific Comments	Total Bottles
43626-01	LAN-TWP-1	08/13/21	0700	GW	NH	X		X							
-02	LAN-TWP-2	↓	0715	GW	NH	X		X							
-03	LAN-TWP-3		1000	GW	NH	X	X								
-04	LAN-TWP-4		0745	GW	NH	X	X								
-05	LAN-TWP-5		0800	GW	NH	X		X							
-06	LAN-SB-1		1245	S	NH				X						
-07	LAN-SB-2		1215	S	NH				X						
-08	LAN-SB-3		1115	S	NH				X						
-09	LAN-SB-4		0900	S	NH				X	X					
-10	LAN-SB-5	↓	0945	S	NH				X	X					
					Container Type	V	P	A	E	G					
					Preservative	B	C	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	08/13/21 14:00	Joan Nyedar AAL	8/13/21 1400
Joan Nyedar	8:13:21 1700	Paul Mazzella	8/13/21 1700
Paul Mazzella	8/13/21 2137	[signature]	8/13/21 2137

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 08/13/21

ALPHA Job #: L2143626

Client Information

Client: Langan
Address: 300 Kimball drive
Parsippany NJ
Phone: 973 560 4900
Fax:
Email: Ktyson@langan.com

Project Information

Project Name: Suffern Industrial Redevelopment
Project Location: Suffern NY
Project # 100945101
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	SVOC	Metals						Sample Specific Comments	Total Bottle
43626-11	FB20210813	08/13/21	1400	FB	NH	X	X	X							
-12	TB20210813	—	—	TB	NH	X									

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	08/13/21 1400	Jonathan Tyson AAL	8-13-21 1400
Jonathan Tyson	8-13-21 1700	Paul Mazzella	8/13/21 1700
Paul Mazzella	8/13/21 2137		8/13/21 2137

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)