Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of New York
104 West 29th Street
10th Floor
New York, NY 10001
T: 212.594.8140
F: 212.279.8180
www.gza.com

May 13, 2020
File No. 41.0162529.20

Brett Owings
Ridgewood Elmwood Owner, LLC
250A Hanover Road, Suite 310
Florham Park, NJ 07932

Re: Supplemental Site Investigation
Elmwood Preserve Project
850 Dobbs Ferry Road,
Greenburgh, NY 10607

Dear Mr. Owings:

GZA GeoEnvironmental of New York (GZA) prepared this Supplemental Site Investigation Report (SSIR) on behalf of Ridgewood Elmwood Owner, LLC for the property located at 850 Dobbs Ferry Road, Greenburgh, New York (Site). This SSIR summarizes the results of our investigation performed to assess environmental quality of the remaining golf course greens in support of State Environmental Quality Review (SEQR) for the proposed rezoning and redevelopment of the Elmwood Preserve Development Project. This report was prepared in accordance with the limitations presented in **Attachment A**.

SITE LOCATION AND DESCRIPTION

The Elmwood Country Club is located at 850 Dobbs Ferry Road, White Plains, Town of Greenburgh, New York and is identified in the Westchester County Parcel Data and the Greenburgh Tax Assessor's Map as comprising of two adjoining lots under section, block and lot (SBL) No. 7.530-320-1.SG (Lot SG) and 7.530-320-1.SE (Lot SE). A topographic map showing the location of the Site is provided as **Figure 1**.

The approximately 100-acre property was formerly used by the Elmwood Country Club. In 2017, the property was sold to Ridgewood Elmwood Owners LLC and has remained vacant ever since.

Lot SG is zoned for private golf country club use (i.e. property type 553) and is 92.60 acres in size. Lot SG is bounded to the east by Rumbrook Park East and the exit ramp of the Sprain Brook Parkway, to the south by Dobbs Ferry Road, to the north by various detached 2-story residential buildings, and to the west by Lot SE by Worthington Road. The lot is improved by buildings associated with the golf course, a parking area, tennis courts, and a pool area. Access to the lot is through Dobbs Ferry Road and two small roads located to the southeast.

Lot SE is also designated for private golf country club use and is 17.88 acres in size. Lot SE is bounded by Lot SG to the south and east, and by various detached 2-story residential buildings to the north and west. A Site Plan identifying the lot boundaries is included as **Figure 2**.

ENVIRONMENTAL SETTING

The following subsections provide information regarding the general physiographic, hydrologic, and soil conditions around the Site.

REGIONAL PHYSIOGRAPHY

Figure 1 shows the location of the Site and vicinity on the U.S. Geological Survey 7.5-Minute Series topographic map for the White Plains Quadrangle, New York, and Westchester County 2019. Based on this published topographic data, the Site is situated at an approximate elevation of 340 feet above mean sea level (msl) along Dobbs Ferry Road at the southern boundary of the Site (as referenced to the North American Vertical Datum of 1988). Portions of the Site are a relative topographic high that forms a ridge of elevations higher than 350 feet above msl. This ridge runs from the southwest portion of the Site and rises to its highest point in the north-central portion of the Site at an elevation just over 365 feet above msl. The balance of the surface topography slopes downward both to the northeast and the northwest of this ridge. The northeastern corner of the Site is the lowest portion of the Site, which slopes downward to an elevation of less 295 feet above msl. The nearest water body is Rum Brook, which is located approximately 0.1 miles east of the Site and joins the larger Saw Mill River to the northeast of the Site. There is a man-made on-Site pond near the southern property boundary which has an outlet to a man-made stream/ditch that flows from the pond and follows the topography downward to the northeast (see **Figure 2**).

SOIL AND ROCK CONDITIONS

Based on USGS Mineral Resources On-Line Spatial Data, bedrock near the Site consists of Fordham gneiss, pelitic schist of the Manhattan Formation, and Inwood marble. According to the Phase I ESA Environmental Database Resources (EDR) database, bedrock is anticipated to be encountered at a depth of greater than eight feet below ground surface (bgs) and the area is primarily underlain by soil classified as Charlton loam, Chatfield loam, Paxton fine sandy loam.

SUPPLEMENTAL SITE INVESTIGATION ACTIVITIES

In September 2019, GZA performed soil sampling to characterize the shallow soils located at Elmwood County Club. In total, GZA collected samples from 22 soil locations consisting of: nine tee boxes, 10 greens, one pesticide storage shed, one pond outlet, and one golf cart storage area. The objective of the 2019 environmental sampling program was to satisfy the environmental site investigation requirements established by the Town of Greenburgh under the SEQR. The 2019 sampling identified lead and arsenic exceedances of New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCO) in the soils collected from six of the 10 golf course greens sampled.

The following section discusses the supplemental site investigation activities performed by GZA on March 27, 2020, which was intended to characterize the remaining eight golf course greens that were not sampled in September 2019.

SOIL BORING INSTALLATION

GZA advanced eight soil borings at the Site, identified as SS-23 through SS-30. The soil borings were advanced using stainless steel hand augers with a 2 ¼-inch inside diameter. Soil cores were collected continuously from grade to a maximum depth of 24 inches bgs. Soil boring locations are shown on **Figure 2.**

GZA personnel screened the soil for the presence of total organic vapors using a photoionization detector (PID) equipped with a 10.6 eV lamp, visually observed the soils, and classified the recovered soil using the modified Burmister soil classification system. The soil sampling field observations and field screening results are summarized in **Table 1**.

SAMPLE COLLECTION AND LABORATORY ANALYTICAL PARAMETERS

Two soil samples were collected from each of the eight soil borings at two intervals: surface from 0 to 6 inches bgs, and subsurface from 18 to 24 inches bgs. Soil samples were collected and placed in laboratory-supplied glass jars. The soil samples were placed in insulated coolers with ice and transported under chain-of-custody protocols and transported by laboratory courier to Alpha Analytical of Westborough, Massachusetts (Alpha). Alpha is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Alpha analyzed the soil samples for the following laboratory analyses:

- Herbicides by EPA Method 8151
- Pesticides by EPA Method 8081B
- Total arsenic and total lead by EPA Method 6010C

SUBSURFACE CONDITIONS

Consistent with previous sampling, the general shallow (0 to 24 inches bgs) construction of the greens appeared to be fill materials consisting of silty sand containing trace amounts of gravel. In general, the fill material was observed to become darker in color and siltier with depth. In addition, none of the sample locations exhibited elevated PID readings during field screening. Sample descriptions are provided in **Table 1**.

SOIL SAMPLE ANALYTICAL RESULTS

GZA summarized the analytical results in the attached **Tables 2** and **Table 3** and compared the soil sample analytical results to the NYSDEC Part 375 Unrestricted Use and Residential Use SCOs. According to NYSDEC, the Unrestricted Use SCOs represent the maximum concentration of a contaminant in soil that requires no use restrictions for the protection of public health, groundwater, and ecological resources. Similarly, the Residential Use SCOs represent the maximum concentration of contaminant in soil which is still protective of public health considering a residential land use at a site. The laboratory reports are provided in **Attachment B**. A summary of the reported results is provided, below.

Metals

- Surface soil samples (from 0 to 6 inches bgs) were analyzed for arsenic and lead. Arsenic was detected in 5 (SS-25, SS-26, SS-27, SS-28 and SS-29) of the 8 samples at concentrations in excess of the Residential Use SCO of 16 milligrams per kilogram (mg/kg) at concentrations ranging from 19.9 mg/kg to 200 mg/kg. Lead was detected in one sample (SS-29 at 402 mg/kg) in excess of its corresponding Residential Use SCO

of 400 mg/kg. Lead was also detected in two additional locations (SS-25 and SS-27) at concentrations in excess of the Unrestricted Use SCO of 63 mg/kg (at 126 mg/kg and 131 mg/kg, respectively).

- Subsurface soils samples (from 18 to 24 inches bgs) were analyzed for arsenic and lead. Arsenic was detected in one sample location (SS-28 at 52.2 mg/kg) in excess of Residential Use SCO of 16 mg/kg. Lead was not detected at concentrations above its corresponding Residential Use SCO of 400 mg/kg, but was detected in one sample (at 92.1 mg/kg) in excess of the Unrestricted Use SCO of 63 mg/kg.

Pesticides

- Surface soil samples were analyzed for pesticides. Cis-chlordane was detected in one sample (SS-26 at 1.43 mg/kg) in excess of Residential SCO of 0.91 mg/kg. Dieldrin was detected in 4 (SS-25, SS-26, SS-27, and SS-29) of the 8 samples (ranging from 0.102 mg/kg to 0.671 mg/kg) in excess of Residential SCO of 0.039 mg/kg. In addition, 4,4'-DDE, 4,4'-DDT, cis-chlordane, and dieldrin were detected in several samples at concentrations in excess of their respective Unrestricted Use SCOs.

- Subsurface soil samples were analyzed for pesticides. Dieldrin was detected in 2 (SS-23 and SS-28) of the 8 samples (at concentrations of 0.186 mg/kg and 0.259 mg/kg, respectively) in excess of Residential SCO of 0.039 mg/kg. Of note, neither of these subsurface sample locations exceeded the Residential SCO for dieldrin at the corresponding surface sampling interval. Also, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, cis-chlordane, and dieldrin were detected in some of the samples at concentrations in excess of their respective Unrestricted Use SCOs.

Herbicides

- None of the soil samples showed herbicides at concentrations above their detection limits or above their respective Unrestricted Use SCOs.

In total six (SS-23, SS-25, SS-26, SS-27, SS-28, and SS-29) of the eight supplemental sampling locations exceeded Residential SCOs for at least one analytical parameter in either the surface or subsurface sampling intervals. This is a similar, but slightly higher, percentage (i.e., 6 out of 10) than was observed during the 2019 sampling round. Taken together 12 of the 18 golf course green soil sampling locations reported soil concentrations exceeding Residential SCO, which may require special handling during redevelopment. Should you have any questions, please do not hesitate to contact Stephen Kline at 212.594.8140.

Very truly yours,
GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill Maniquez
Project Manager

Michael M. Shaw
Consultant Reviewer/Senior Principal

Stephen M. Kline, P.E.
Associate Principal

ATTACHMENTS

TABLES

Table 1
Soil Sampling Log

Elmwood Country Club
Town of Greenburgh, New York

Sample ID	Date	Depth (inches below ground surface)	Location Description	Soil Description[1]
SS-23(0-6)	3/27/2020	00-06	Green	Light brown , fine to coarse SAND with Silt and gravel
SS-23(18-24)	3/27/2020	18-24	Green	Brown , medium to coarse SAND with Silt and gravel
SS-24 (0-6)	3/27/2020	00-06	Green	Brown, medium to coarse SAND, some Silt, little gravel
SS-24(18-24)	3/27/2020	18-24	Green	Brown , medium to coarse SAND with Silt
SS-25(0-6)	3/27/2020	00-06	Green	Light brown , fine to coarse SAND trace Silt, trace gravel
SS-25(18-24)	3/27/2020	18-24	Green	Light brown , medium to coarse SAND trace Silt, trace gravel
SS-26(0-6)	3/27/2020	00-06	Green	Light brown , fine to coarse SAND with Silt and gravel
SS-26(18-24)	3/27/2020	18-24	Green	Brown , medium to coarse SAND with Silt and gravel
SS-27(0-6)	3/27/2020	00-06	Green	Light brown , fine to coarse SAND, some Silt , little gravel
SS-27(18-24)	3/27/2020	18-24	Green	Light brown , medium to coarse SAND with Silt and gravel
SS-28(0-6)	3/27/2020	00-06	Green	Brown , medium to coarse SAND, some Silt , little gravel
SS-28(18-24)	3/27/2020	18-24	Green	Brown , medium to coarse SAND some Silt, little gravel
SS-29(0-6)	3/27/2020	00-06	Green	Light brown , fine to coarse SAND, some Silt , little gravel
SS-29(18-24)	3/27/2020	18-24	Green	Light brown , medium to coarse SAND with Silt and gravel
SS-30(0-6)	3/27/2020	00-06	Green	Light brown , medium to coarse SAND, some Silt
SS-30(18-24)	3/27/2020	18-24	Green	Light brown , medium to coarse SAND, some Silt
SS-01-00-06	9/11/2019	00-06	Pesticide Shed	ASPHALT & GRAVEL
				CONCRETE
SS-01-06-24		06-24	Pesticide Shed	CONCRETE
				Brown, fine to coarse SAND, some Silt, little Gravel
SS-02-00-06	9/11/2019	00-06	Pond	Brown, medium to coarse SAND, some Silt, little Gravel
SS-03-00-06	9/11/2019	00-06	Tee	Brown, fine to coarse SAND, little Silt, little Gravel
SS-03-06-24		06-24	Tee	Brown, fine to coarse SAND, little Silt, little Gravel
SS-04-00-06	9/11/2019	00-06	Green	Brown, medium to coarse SAND, some Silt, trace Gravel
SS-04-06-24		06-24	Green	Brown, medium to coarse SAND, some Silt, trace Gravel
SS-05-00-06	9/11/2019	00-06	Green	Light brown, medium SAND
SS-05-06-24		06-24	Green	Brown, fine to coarse SAND, little Silt
SS-06-00-06	9/11/2019	00-06	Tee	Light brown, medium SAND
SS-06-06-24		06-24	Tee	Brown, fine to coarse SAND, some Silt
SS-07-00-06	9/12/2019	00-06	Green	Light brown, fine to coarse SAND, trace Silt
				Brown, fine to coarse SAND, some Silt, trace Gravel
SS-07-06-24		06-24	Green	Brown, fine to coarse SAND, some Silt, trace Gravel
SS-08-00-06	9/12/2019	00-06	Tee	Light brown, fine to coarse SAND, trace Silt
SS-09-00-06	9/12/2019	00-06	Green	Brown, fine to coarse SAND, little Silt
SS-10-00-06	9/11/2019	00-06	Green	Light brown, medium SAND
				Brown, fine to coarse SAND, some Silt, trace Gravel
SS-10-06-24		06-24	Green	Brown, fine to coarse SAND, some Silt, trace Gravel
SS-11-00-06	9/11/2019	00-06	Tee	Light brown, fine to coarse SAND, trace Silt, trace Gravel
SS-11-06-24	9/11/2019	06-24	Tee	Light brown, fine to coarse SAND, some Silt, trace Gravel
SS-12-00-06		00-06	Green	Light brown, fine to medium SAND
SS-12-06-24	9/12/2019	06-24	Green	Brown, fine to coarse SAND, some Silt, little Gravel
SS-13-00-06	9/11/2019	00-06	Tee	Light brown, fine to coarse SAND, trace Silt
				Brown, fine to coarse SAND, some Silt, trace Gravel
SS-13-06-24		06-24	Tee	Brown, fine to coarse SAND, some Silt, trace Gravel
SS-14-00-06	9/11/2019	00-06	Green	Light brown, medium SAND
				Brown, fine to coarse SAND, little Silt, trace Gravel
SS-14-06-24		06-24	Green	Brown, fine to coarse SAND, little Silt, trace Gravel
SS-15-00-06	9/11/2019	00-06	Green	Light brown, medium SAND, trace Silt
				Brown, fine to medium SAND, some Silt, trace Gravel
SS-15-06-24		06-24	Green	Brown, fine to medium SAND, some Silt, trace Gravel
SS-16-00-06	9/11/2019	00-06	Tee	Light brown, fine to coarse SAND, little Silt, trace Gravel
SS-17-00-06	9/11/2019	00-06	Golf Cart Storage	ASPHALT
				Brown, fine to medium SAND, some Silt, trace Gravel
SS-18-00-06	9/11/2019	00-06	Tee	Light brown, medium to coarse SAND
				Brown, fine to coarse SAND, some Silt, little Gravel
SS-18-06-24		06-24	Tee	Brown, fine to coarse SAND, some Silt, little Gravel
SS-19-00-06	9/12/2019	00-06	Green	Light brown, fine to coarse SAND, little Silt
SS-20-00-06	9/12/2019	00-06	Tee	Light brown, medium to coarse SAND, trace Silt
SS-21-00-06	9/12/2019	00-06	Tee	Dark brown, fine to coarse SAND, some Silt
SS-21-06-24		06-24	Tee	Light brown, fine to coarse SAND
				Brown, fine to coarse SAND, some Silt, little Gravel
SS-22-00-06	9/12/2019	00-06	Green	Light brown, fine to coarse SAND
SS-22-06-24	9/12/2019	06-24	Green	Brown, fine to coarse SAND, little Silt, little Gravel

TABLE NOTE:
1. Collected soils samples were field screened with a photoionization detector (PID) and none of the samples showed readings of greater and 1 ppm by volume calibrated to a 100 ppm isobutylene standard.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-23 (0-6)		SS-24 (0-6)		SS-25 (0-6)		SS-25 (0-6)		SS-26 (0-6)		SS-26 (0-6)		SS-27 (0-6)		SS-27 (0-6)	
SAMPLING DATE			3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020	
LABORATORY SAMPLE ID			L2013701-01		L2013701-03		L2013701-05		L2013701-05 R1		L2013701-07		L2013701-07 R1		L2013701-09		L2013701-09 R1	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (inches bgs)			0-6		0-6		0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	10.1	-	8.22	-	60.6		-	-	200		-	-	100		-	-
Lead, Total	63	400	32	-	56.8	-	126		-	-	33.7	-	-	-	131		-	-
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
4,4'-DDE	0.0033	1.8	0.0114		0.0588		0.275	E	0.303		0.142		-	-	0.483	E	0.388	
4,4'-DDT	0.0033	1.7	0.0072		0.0332		0.0986		-	-	0.0565	IP	-	-	0.179		-	-
Aldrin	0.005	0.019	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Alpha-BHC	0.02	0.097	0.00084	U	0.00105	U	0.000844	U	-	-	0.000824	U	-	-	0.000953	U	-	-
Beta-BHC	0.036	0.072	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Chlordane	--	--	0.0168	U	0.0211	U	0.0169	U	-	-	0.0165	U	-	-	0.019	U	-	-
cis-Chlordane	0.094	0.91	0.0164	IP	0.0347	IP	0.19	PE	0.0738	IP	1.43	PE	0.835	IP	0.0339	IP	-	-
Delta-BHC	0.04	100	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Dieldrin	0.005	0.039	0.0277		0.0097		0.102		-	-	0.452	E	0.445		0.234	E	0.188	
Endosulfan I	2.4	4.8	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Endosulfan II	2.4	4.8	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Endosulfan sulfate	2.4	4.8	0.00084	U	0.00105	U	0.000844	U	-	-	0.000824	U	-	-	0.000953	U	-	-
Endrin	0.014	2.2	0.00084	U	0.00105	U	0.000844	U	-	-	0.000824	U	-	-	0.000953	U	-	-
Endrin aldehyde	--	--	0.00252	U	0.00316	U	0.00253	U	-	-	0.00247	U	-	-	0.00286	U	-	-
Endrin ketone	--	--	0.00202	U	0.00253	U	0.00203	U	-	-	0.00198	U	-	-	0.00229	U	-	-
Heptachlor	0.042	0.42	0.00101	U	0.00126	U	0.00101	U	-	-	0.000989	U	-	-	0.00114	U	-	-
Heptachlor epoxide	--	--	0.0129	-	0.00378	J	0.0886	-	-	-	0.686	E	0.733	-	0.138	-	-	-
Lindane	0.1	0.28	0.00084	U	0.00105	U	0.000844	U	-	-	0.000824	U	-	-	0.000953	U	-	-
Methoxychlor	--	--	0.00378	U	0.00474	U	0.0038	U	-	-	0.00371	U	-	-	0.00429	U	-	-
Toxaphene	--	--	0.0378	U	0.0474	U	0.038	U	-	-	0.0371	U	-	-	0.0429	U	-	-
trans-Chlordane	--	--	0.00806	IP	0.00457	IP	0.0287	IP	-	-	0.729	E	0.915	-	0.0217	-	-	-
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.209	U	0.26	U	0.218	U	-	-	0.211	U	-	-	0.246	U	-	-
2,4,5-TP (Silvex)	3.8	58	0.209	U	0.26	U	0.218	U	-	-	0.211	U	-	-	0.246	U	-	-
2,4-D	--	--	0.209	U	0.26	U	0.218	U	-	-	0.211	U	-	-	0.246	U	-	-
General Chemistry (%)																		
Solids, Total	--	--	78.1	-	63.1	-	75.2	-	-	-	78.6	-	-	-	67.4	-	-	-

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.
U : Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
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 reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-28 (0-6)		SS-29 (0-6)		SS-29 (0-6)		SS-30 (0-6)		SS-01-00-06		SS-02-00-06		SS-03-00-06		SS-03-00-06	
SAMPLING DATE			3/27/2020		3/27/2020		3/27/2020		3/27/2020		9/11/2019		9/11/2019		9/11/2019		L1941472-05 R1	
LABORATORY SAMPLE ID			L2013701-11		L2013701-13		L2013701-13 R1		L2013701-15		L1941472-01		L1941472-03		L1941472-05		9/11/2019	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (feet bgs)			0-6		0-6		0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	19.9		200		-	-	12	-	1.81		4.8		6.9		-	-
Lead, Total	63	400	45.4	-	402		-	-	41	-	11		14.9		30.1		-	-
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.00134	J	0.00216	U	-	-	0.00222	U	0.00812		0.00193	U	0.1		-	-
4,4'-DDE	0.0033	1.8	0.0858		0.19	E	0.169		0.0129		0.00877		0.00193	U	0.502	E	0.624	
4,4'-DDT	0.0033	1.7	0.0116		0.102		-	-	0.0234		0.0166		0.00362	U	0.198	E	0.233	
Aldrin	0.005	0.019	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Alpha-BHC	0.02	0.097	0.000801	U	0.000899	U	-	-	0.000926	U	0.000706	U	0.000804	U	0.000777	U	-	-
Beta-BHC	0.036	0.072	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Chlordane	--	--	0.193	-	0.018	U	-	-	0.0185	U	0.0427		0.0157	U	0.0151	U	-	-
cis-Chlordane	0.094	0.91	0.0193	IP	0.408	PE	0.0974	IP	0.00271	JIP	0.00674	IP	0.00241	U	0.192	PE	0.113	IP
Delta-BHC	0.04	100	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Dieldrin	0.005	0.039	0.0338		0.671	E	0.578		0.00264	-	0.00164	P	0.0012	U	0.0411		-	-
Endosulfan I	2.4	4.8	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Endosulfan II	2.4	4.8	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Endosulfan sulfate	2.4	4.8	0.000801	U	0.000899	U	-	-	0.000926	U	0.000706	U	0.000804	U	0.000777	U	-	-
Endrin	0.014	2.2	0.000801	U	0.000899	U	-	-	0.000926	U	0.000706	U	0.000804	U	0.000777	U	-	-
Endrin aldehyde	--	--	0.0024	U	0.0027	U	-	-	0.00278	U	0.00212	U	0.00241	U	0.00233	U	-	-
Endrin ketone	--	--	0.00192	U	0.00216	U	-	-	0.00222	U	0.00169	U	0.00193	U	0.00186	U	-	-
Heptachlor	0.042	0.42	0.000962	U	0.00108	U	-	-	0.00111	U	0.000847	U	0.000965	U	0.00241	P	-	-
Heptachlor epoxide	--	--	0.0268	-	0.161	-	-	-	0.00221	J	0.00318	U	0.00362	U	0.186	E	0.213	
Lindane	0.1	0.28	0.000801	U	0.000899	U	-	-	0.000926	U	0.000706	U	0.000804	U	0.000777	U	-	-
Methoxychlor	--	--	0.00361	U	0.00404	U	-	-	0.00417	U	0.00318	U	0.00362	U	0.00349	U	-	-
Toxaphene	--	--	0.0361	U	0.0404	U	-	-	0.0417	U	0.0318	U	0.0362	U	0.0349	U	-	-
trans-Chlordane	--	--	0.012	-	0.0822	-	-	-	0.00158	JIP	0.00577	IP	0.00241	U	0.227	PE	0.179	IP
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.201	U	0.231	U	-	-	0.228	U	0.179	U	0.205	U	0.202	U	-	-
2,4,5-TP (Silvex)	3.8	58	0.201	U	0.231	U	-	-	0.228	U	0.179	U	0.205	U	0.202	U	-	-
2,4-D	--	--	0.201	U	0.231	U	-	-	0.228	U	0.179	U	0.205	U	0.202	U	-	-
General Chemistry (%)																		
Solids, Total	--	--	81.4	-	71.7	-	-	-	70.9	-	92.9		80.4		81.7		-	-

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.
Non-Detect Value - with a Reporting Limit that exceeds Part 375 Unrestricted Use SCOs and/or Restricted Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interferences.
J : Estimated Value. The target analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-04-00-06		SS-04-00-06		SS-05-00-06		SS-05-00-06		SS-06-00-06		SS-07-00-06		SS-07-00-06		SS-08-00-06	
SAMPLING DATE			9/11/2019		L1941472-07 R1		9/11/2019		L1941472-09 R1		9/11/2019		9/12/2019		L1941699-13 R1		9/12/2019	
LABORATORY SAMPLE ID			L1941472-07		9/11/2019		L1941472-09		9/11/2019		L1941472-21		L1941699-13		9/12/2019		L1941699-09	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (feet bgs)			0-6		0-6		0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	1.01		-	-	3.16		-	-	0.594		11.6		-	-	0.554	
Lead, Total	63	400	6.49		-	-	26.6		-	-	2.91		67.8		-	-	2.71	
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.0375		-	-	0.084		-	-	0.0016	U	0.0679		-	-	0.00161	U
4,4'-DDE	0.0033	1.8	0.13		-	-	0.258	E	0.28		0.00424		0.38		0.279	E	0.00306	
4,4'-DDT	0.0033	1.7	0.111		-	-	0.362	E	0.409		0.00326		0.48		0.378	E	0.00323	
Aldrin	0.005	0.019	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Alpha-BHC	0.02	0.097	0.000694	U	-	-	0.0007	U	-	-	0.000666	U	0.000684	U	-	-	0.000673	U
Beta-BHC	0.036	0.072	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Chlordane	--	--	1.27	P	-	-	2.33	P	-	-	0.013	U	11.2		11.7	E	0.0249	
cis-Chlordane	0.094	0.91	0.237	PE	0.112	IP	0.455	PE	0.233	IP	0.00128	JIP	2.67		2.72	PE	0.00307	P
Delta-BHC	0.04	100	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Dieldrin	0.005	0.039	0.0103		-	-	0.0938		-	-	0.000665	J	0.0567		-	-	0.00105	
Endosulfan I	2.4	4.8	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Endosulfan II	2.4	4.8	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Endosulfan sulfate	2.4	4.8	0.000694	U	-	-	0.0007	U	-	-	0.000666	U	0.000684	U	-	-	0.000673	U
Endrin	0.014	2.2	0.000694	U	-	-	0.0007	U	-	-	0.000666	U	0.000684	U	-	-	0.000673	U
Endrin aldehyde	--	--	0.00208	U	-	-	0.0021	U	-	-	0.002	U	0.00205	U	-	-	0.00202	U
Endrin ketone	--	--	0.00166	U	-	-	0.00168	U	-	-	0.0016	U	0.00164	U	-	-	0.00161	U
Heptachlor	0.042	0.42	0.000832	U	-	-	0.00084	U	-	-	0.000799	U	0.000821	U	-	-	0.000807	U
Heptachlor epoxide	--	--	0.069		-	-	0.155	E	0.178		0.003	U	0.379		0.244	E	0.00303	U
Lindane	0.1	0.28	0.000694	U	-	-	0.0007	U	-	-	0.000666	U	0.000684	U	-	-	0.000673	U
Methoxychlor	--	--	0.00312	U	-	-	0.00315	U	-	-	0.003	U	0.00308	U	-	-	0.00303	U
Toxaphene	--	--	0.0312	U	-	-	0.0315	U	-	-	0.03	U	0.0308	U	-	-	0.0303	U
trans-Chlordane	--	--	0.0868		-	-	0.195	E	0.214		0.002	U	1.89		1.69	E	0.00102	JIP
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.18	U	-	-	0.177	U	-	-	0.171	U	0.171	U	-	-	0.169	U
2,4,5-TP (Silvex)	3.8	58	0.18	U	-	-	0.177	U	-	-	0.171	U	0.171	U	-	-	0.169	U
2,4-D	--	--	0.18	U	-	-	0.177	U	-	-	0.171	U	0.171	U	-	-	0.169	U
General Chemistry (%)																		
Solids, Total	--	--	90.2		-	-	92.9		-	-	95.6		95.1		-	-	97.1	

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).

Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
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 reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-09-00-06		SS-10-00-06		SS-10-00-06		SS-10-00-06		SS-11-00-06		SS-12-00-06		SS-12-00-06		SS-13-00-06	
SAMPLING DATE			9/12/2019		9/11/2019		L1941472-11 R1		L1941472-11 R2		9/11/2019		9/12/2019		L1941699-15 R1		9/11/2019	
LABORATORY SAMPLE ID			L1941699-11		L1941472-11		9/11/2019		9/11/2019		L1941472-13		L1941699-15		9/12/2019		L1941472-15	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (feet bgs)			0-6		0-6		0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	0.438		81.1		-	-	-	-	1.07		26.8		-	-	1.06	
Lead, Total	63	400	2.34		333		-	-	-	-	6.41		193		-	-	5.7	
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.00156	U	0.166	PE	0.129	IP	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
4,4'-DDE	0.0033	1.8	0.000944	J	0.893	E	1.36		-	-	0.384		0.351	E	0.351	E	0.00446	
4,4'-DDT	0.0033	1.7	0.00293	U	0.68	E	0.851		-	-	0.214		0.176	E	0.176	E	0.00232	J
Aldrin	0.005	0.019	0.00156	U	0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Alpha-BHC	0.02	0.097	0.000652	U	0.000701	U	-	-	-	-	0.000644	U	0.00071	U	-	-	0.000892	U
Beta-BHC	0.036	0.072	0.00156	U	0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Chlordane	--	--	0.0127	U	16.7	E	14.8		-	-	5.37		4.06	E	4.06	E	0.0174	U
cis-Chlordane	0.094	0.91	0.000824	J	2.37	E	-	-	6.13	P	0.823	IP	1.03	PE	1.03	PE	0.00268	U
Delta-BHC	0.04	100	0.00156	U	0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Dieldrin	0.005	0.039	0.000978	U	0.0979		-	-	-	-	0.00234		0.00106	U	-	-	0.00134	U
Endosulfan I	2.4	4.8	0.00156	U	0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Endosulfan II	2.4	4.8	0.00206		0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Endosulfan sulfate	2.4	4.8	0.000652	U	0.000701	U	-	-	-	-	0.000644	U	0.00071	U	-	-	0.000892	U
Endrin	0.014	2.2	0.000652	U	0.000701	U	-	-	-	-	0.000644	U	0.00071	U	-	-	0.000892	U
Endrin aldehyde	--	--	0.00196	U	0.0021	U	-	-	-	-	0.00193	U	0.00213	U	-	-	0.00268	U
Endrin ketone	--	--	0.00156	U	0.00168	U	-	-	-	-	0.00155	U	0.0017	U	-	-	0.00214	U
Heptachlor	0.042	0.42	0.000782	U	0.000841	U	-	-	-	-	0.000773	U	0.000852	U	-	-	0.00107	U
Heptachlor epoxide	--	--	0.00293	U	0.859	E	1.1		-	-	0.218		0.174	E	0.174	E	0.00401	U
Lindane	0.1	0.28	0.000652	U	0.000701	U	-	-	-	-	0.000644	U	0.00071	U	-	-	0.000892	U
Methoxychlor	--	--	0.00293	U	0.00315	U	-	-	-	-	0.0029	U	0.0032	U	-	-	0.00401	U
Toxaphene	--	--	0.0293	U	0.0315	U	-	-	-	-	0.029	U	0.032	U	-	-	0.0401	U
trans-Chlordane	--	--	0.00069	JIP	2.28	E	-	-	4.26		0.641		0.451	E	0.451	E	0.000954	JIP
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.166	U	0.179	U	-	-	-	-	0.166	U	0.176	U	-	-	0.23	U
2,4,5-TP (Silvex)	3.8	58	0.166	U	0.179	U	-	-	-	-	0.166	U	0.176	U	-	-	0.23	U
2,4-D	--	--	0.166	U	0.179	U	-	-	-	-	0.166	U	0.176	U	-	-	0.23	U
General Chemistry (%)																		
Solids, Total	--	--	98.5		91.3		-	-	-	-	98.4		92.7		-	-	72.1	

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
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 reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-14-00-06		SS-14-00-06		SS-14-00-06		SS-15-00-06		SS-15-00-06		SS-16-00-06		SS-17-00-06		SS-18-00-06	
SAMPLING DATE			9/11/2019		L1941472-17 R1		L1941472-17 R2		9/11/2019		L1941472-19 R1		9/11/2019		9/11/2019		9/11/2019	
LABORATORY SAMPLE ID			L1941472-17		9/11/2019		9/11/2019		L1941472-19		9/11/2019		L1941472-23		L1941472-25		L1941472-27	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (feet bgs)			0-6		0-6		0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	69.3		-	-	-	-	35.9		-	-	1.64		0.418		7.16	
Lead, Total	63	400	221		-	-	-	-	273		-	-	6.72		13.1		19.9	
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.122		-	-	-	-	0.0232		-	-	0.0016	U	0.00158	U	0.00133	J
4,4'-DDE	0.0033	1.8	0.376	PE	0.534		-	-	0.321	E	0.382		0.0024		0.000976	J	0.0335	
4,4'-DDT	0.0033	1.7	0.249	E	0.322		-	-	0.297	E	0.343		0.00178	J	0.00297	U	0.0141	
Aldrin	0.005	0.019	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.00158	U
Alpha-BHC	0.02	0.097	0.000717	U	-	-	-	-	0.000677	U	-	-	0.000665	U	0.000659	U	0.000658	U
Beta-BHC	0.036	0.072	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.00158	U
Chlordane	--	--	18.6	PE	16.2		-	-	6.14	E	4.93		0.013	U	0.0128	U	0.0128	U
cis-Chlordane	0.094	0.91	2.46	E	-	-	4.84	IP	0.666	E	0.795	IP	0.00101	JIP	0.00198	U	0.00515	IP
Delta-BHC	0.04	100	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.0424	
Dieldrin	0.005	0.039	0.123		-	-	-	-	0.0249		-	-	0.000537	J	0.000989	U	0.0101	
Endosulfan I	2.4	4.8	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.00158	U
Endosulfan II	2.4	4.8	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.00158	U
Endosulfan sulfate	2.4	4.8	0.000717	U	-	-	-	-	0.000677	U	-	-	0.000665	U	0.000659	U	0.000658	U
Endrin	0.014	2.2	0.000717	U	-	-	-	-	0.000677	U	-	-	0.000665	U	0.000659	U	0.000658	U
Endrin aldehyde	--	--	0.00215	U	-	-	-	-	0.00203	U	-	-	0.00199	U	0.00198	U	0.00197	U
Endrin ketone	--	--	0.00172	U	-	-	-	-	0.00162	U	-	-	0.0016	U	0.00158	U	0.00158	U
Heptachlor	0.042	0.42	0.00086	U	-	-	-	-	0.000812	U	-	-	0.000798	U	0.000791	U	0.00079	U
Heptachlor epoxide	--	--	0.878	E	1.1		-	-	0.232	E	0.261		0.00299	U	0.00297	U	0.0112	
Lindane	0.1	0.28	0.000717	U	-	-	-	-	0.000677	U	-	-	0.000665	U	0.000659	U	0.000658	U
Methoxychlor	--	--	0.00322	U	-	-	-	-	0.00304	U	-	-	0.00299	U	0.00297	U	0.00296	U
Toxaphene	--	--	0.0322	U	-	-	-	-	0.0304	U	-	-	0.0299	U	0.0297	U	0.0296	U
trans-Chlordane	--	--	2.2	E	-	-	4.76		0.63	E	0.714		0.00136	JP	0.000849	JIP	0.00753	
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.176	U	-	-	-	-	0.172	U	-	-	0.167	U	0.171	U	0.174	U
2,4,5-TP (Silvex)	3.8	58	0.176	U	-	-	-	-	0.172	U	-	-	0.167	U	0.171	U	0.174	U
2,4-D	--	--	0.176	U	-	-	-	-	0.172	U	-	-	0.167	U	0.171	U	0.174	U
General Chemistry (%)																		
Solids, Total	--	--	92.4		-	-	-	-	95.7		-	-	99		95.6		95.3	

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
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 reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 2
Herbicides, Pesticides and Total Metals
Surface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-19-00-06		SS-20-00-06		SS-21-00-06		SS-22-00-06		SS-22-00-06		SS-22-00-06	
SAMPLING DATE			9/12/2019		9/12/2019		9/12/2019		9/12/2019		L1941699-07 R1		L1941699-07 R2	
LABORATORY SAMPLE ID			L1941699-03		L1941699-01		L1941699-05		L1941699-07		9/12/2019		9/12/2019	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (feet bgs)			0-6		0-6		0-6		0-6		0-6		0-6	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)														
Arsenic, Total	13	16	0.473		0.462		10.2		17.4		-	-	-	-
Lead, Total	63	400	2.03	J	3.05		42.1		74.5		-	-	-	-
Pesticides by EPA Method 8081 (mg/kg)														
4,4'-DDD	0.0033	2.6	0.0017	U	0.00162	U	0.00659		0.101		-	-	-	-
4,4'-DDE	0.0033	1.8	0.0017	U	0.0027		0.0508		0.102		-	-	-	-
4,4'-DDT	0.0033	1.7	0.00319	U	0.00305	U	0.00506		0.223		0.194	E	-	-
Aldrin	0.005	0.019	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Alpha-BHC	0.02	0.097	0.000708	U	0.000677	U	0.000762	U	0.000675	U	-	-	-	-
Beta-BHC	0.036	0.072	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Chlordane	--	--	0.0138	U	0.0132	U	0.0149	U	6.82		5.07	E	-	-
cis-Chlordane	0.094	0.91	0.00212	U	0.000585	JIP	0.00229	U	1.16	E	-	-	2.11	P
Delta-BHC	0.04	100	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Dieldrin	0.005	0.039	0.00106	U	0.00102	U	0.00546		0.0343		-	-	-	-
Endosulfan I	2.4	4.8	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Endosulfan II	2.4	4.8	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Endosulfan sulfate	2.4	4.8	0.000708	U	0.000677	U	0.000762	U	0.000675	U	-	-	-	-
Endrin	0.014	2.2	0.000708	U	0.000677	U	0.000762	U	0.000675	U	-	-	-	-
Endrin aldehyde	--	--	0.00212	U	0.00203	U	0.00229	U	0.00202	U	-	-	-	-
Endrin ketone	--	--	0.0017	U	0.00162	U	0.00183	U	0.00162	U	-	-	-	-
Heptachlor	0.042	0.42	0.00085	U	0.000813	U	0.000915	U	0.00081	U	-	-	-	-
Heptachlor epoxide	--	--	0.00319	U	0.00305	U	0.0029	J	0.213		0.158	E	-	-
Lindane	0.1	0.28	0.000708	U	0.000677	U	0.000762	U	0.000675	U	-	-	-	-
Methoxychlor	--	--	0.00319	U	0.00305	U	0.00343	U	0.00304	U	-	-	-	-
Toxaphene	--	--	0.0319	U	0.0305	U	0.0343	U	0.0304	U	-	-	-	-
trans-Chlordane	--	--	0.00212	U	0.00085	JIP	0.00159	JIP	1.17		0.822	E	-	-
Herbicides by EPA Method 8151 (mg/kg)														
2,4,5-T	--	--	0.179	U	0.17	U	0.198	U	0.165	U	-	-	-	-
2,4,5-TP (Silvex)	3.8	58	0.179	U	0.17	U	0.198	U	0.165	U	-	-	-	-
2,4-D	--	--	0.179	U	0.17	U	0.198	U	0.165	U	-	-	-	-
General Chemistry (%)														
Solids, Total	--	--	92.1		95.3		82.6		98.6		-	-	-	-

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
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 reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 3
Herbicides, Pesticides and Total Metals
Subsurface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-23 (18-24)		SS-23 (18-24)		SS-24 (18-24)		SS-24 (18-24)		SS-25 (18-24)		SS-26 (18-24)		SS-27 (18-24)		SS-28 (18-24)	
SAMPLING DATE			3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020		3/27/2020	
LABORATORY SAMPLE ID			L2013701-02		L2013701-02 R1		L2013701-04		L2013701-04 R1		L2013701-06		L2013701-08		L2013701-10		L2013701-12	
SAMPLE TYPE			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (inches bgs)			18-24		18-24		18-24		18-24		18-24		18-24		18-24		18-24	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	7.15	-	-	-	7.16	-	-	-	13.6		7.94	-	10.8	-	52.2	
Lead, Total	63	400	27.5	-	-	-	35	-	-	-	24.4	-	5.26	-	28	-	92.1	
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00598	
4,4'-DDE	0.0033	1.8	0.0143	-	-	-	0.321	E	0.371		0.0159		0.0113		0.0185		0.385	E
4,4'-DDT	0.0033	1.7	0.00804	P	-	-	0.139		-	-	0.00441		0.00294	JIP	0.00848		0.109	
Aldrin	0.005	0.019	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Alpha-BHC	0.02	0.097	0.000774	U	-	-	0.000866	U	-	-	0.000812	U	0.000752	U	0.000788	U	0.000759	U
Beta-BHC	0.036	0.072	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Chlordane	--	--	0.0155	U	-	-	0.0173	U	-	-	0.0162	U	0.015	U	0.0158	U	0.0152	U
cis-Chlordane	0.094	0.91	0.0879	P	-	-	0.0868	-	-	-	0.00182	JIP	0.0264	IP	0.000914	JIP	0.161	PE
Delta-BHC	0.04	100	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Dieldrin	0.005	0.039	0.186	E	0.162		0.00419	-	-	-	0.00144	-	0.0256		0.00535		0.259	E
Endosulfan I	2.4	4.8	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Endosulfan II	2.4	4.8	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Endosulfan sulfate	2.4	4.8	0.000774	U	-	-	0.000866	U	-	-	0.000812	U	0.000752	U	0.000788	U	0.000759	U
Endrin	0.014	2.2	0.000774	U	-	-	0.000866	U	-	-	0.000812	U	0.000752	U	0.000788	U	0.000759	U
Endrin aldehyde	--	--	0.00232	U	-	-	0.0026	U	-	-	0.00243	U	0.00226	U	0.00236	U	0.00228	U
Endrin ketone	--	--	0.00186	U	-	-	0.00208	U	-	-	0.00195	U	0.0018	U	0.00189	U	0.00182	U
Heptachlor	0.042	0.42	0.000928	U	-	-	0.00104	U	-	-	0.000974	U	0.000903	U	0.000946	U	0.00091	U
Heptachlor epoxide	--	--	0.0716	-	-	-	0.00334	JP	-	-	0.00166	J	0.0543	-	0.00355	U	0.22	E
Lindane	0.1	0.28	0.000774	U	-	-	0.000866	U	-	-	0.000812	U	0.000752	U	0.000788	U	0.000759	U
Methoxychlor	--	--	0.00348	U	-	-	0.0039	U	-	-	0.00365	U	0.00339	U	0.00355	U	0.00341	U
Toxaphene	--	--	0.0348	U	-	-	0.039	U	-	-	0.0365	U	0.0339	U	0.0355	U	0.0341	U
trans-Chlordane	--	--	0.0646	-	-	-	0.0232	IP	-	-	0.00115	JIP	0.0281	-	0.00236	U	0.07	-
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	0.194	U	-	-	0.214	U	-	-	0.204	U	0.188	-	0.198	U	0.19	-
2,4,5-TP (Silvex)	3.8	58	0.194	U	-	-	0.214	U	-	-	0.204	U	0.188	-	0.198	U	0.19	-
2,4-D	--	--	0.194	U	-	-	0.214	U	-	-	0.204	U	0.188	-	0.198	U	0.19	-
General Chemistry (%)																		
Solids, Total	--	--	83.7	-	-	-	75.6	-	-	-	80.8	-	86.8	-	81.8	-	85.3	-

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interference.
J : Estimated Value. The target analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 3
Herbicides, Pesticides and Total Metals
Subsurface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-28 (18-24)		SS-29 (18-24)		SS-30 (18-24)		SS-01-06-24		SS-01-06-24		SS-03-06-24		SS-03-06-24		SS-04-06-24	
SAMPLING DATE			3/27/2020		3/27/2020		3/27/2020		L1941472-02		L1941472-02 R1		L1941472-06		L1941472-06 R1		L1941472-08	
LABORATORY SAMPLE ID			L2013701-12 R1		L2013701-14		L2013701-16		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
SAMPLE TYPE			SOIL		SOIL		SOIL		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24	
SAMPLE DEPTH (feet bgs)			18-24		18-24		18-24		SOIL		SOIL		SOIL		SOIL		SOIL	
			Results	Qual	Results	Qual	Results	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	-	-	1.47	-	15.3		-	-	-	-	-	-	-	-	-	-
Lead, Total	63	400	-	-	35.6	-	51.1	-	-	-	-	-	-	-	-	-	-	-
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	-	-	0.00202	U	0.00192	U	0.0534		-	-	0.0726	P	-	-	0.0017	U
4,4'-DDE	0.0033	1.8	0.327		0.00955		0.031		0.127		-	-	0.577	E	0.606		0.0609	
4,4'-DDT	0.0033	1.7	-	-	0.00318	J	0.0115		0.215	E	0.179		0.0684		-	-	0.04	
Aldrin	0.005	0.019	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Alpha-BHC	0.02	0.097	-	-	0.000842	U	0.000799	U	0.000925	U	-	-	0.00079	U	-	-	0.00071	U
Beta-BHC	0.036	0.072	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Chlordane	--	--	-	-	0.0168	U	0.016	U	0.33		-	-	0.0154	U	-	-	1.33	
cis-Chlordane	0.094	0.91	0.0734	IP	0.00385	IP	0.00423	IP	0.0806		-	-	0.0162	IP	-	-	0.355	PE
Delta-BHC	0.04	100	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Dieldrin	0.005	0.039	0.219		0.0272		0.00995		0.006		-	-	0.00266		-	-	0.181	E
Endosulfan I	2.4	4.8	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Endosulfan II	2.4	4.8	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Endosulfan sulfate	2.4	4.8	-	-	0.000842	U	0.000799	U	0.000925	U	-	-	0.00079	U	-	-	0.00071	U
Endrin	0.014	2.2	-	-	0.000842	U	0.000799	U	0.000925	U	-	-	0.00079	U	-	-	0.00071	U
Endrin aldehyde	--	--	-	-	0.00253	U	0.0024	U	0.00277	U	-	-	0.00237	U	-	-	0.00213	U
Endrin ketone	--	--	-	-	0.00202	U	0.00192	U	0.00222	U	-	-	0.0019	U	-	-	0.0017	U
Heptachlor	0.042	0.42	-	-	0.00101	U	0.000959	U	0.000603	J	-	-	0.000949	U	-	-	0.000852	U
Heptachlor epoxide	--	--	0.176	-	0.0085	-	0.00483	-	0.00414	JIP	-	-	0.00845		-	-	0.132	
Lindane	0.1	0.28	-	-	0.000842	U	0.000799	U	0.000925	U	-	-	0.00079	U	-	-	0.00071	U
Methoxychlor	--	--	-	-	0.00379	U	0.0036	U	0.00416	U	-	-	0.00356	U	-	-	0.0032	U
Toxaphene	--	--	-	-	0.0379	U	0.036	U	0.0416	U	-	-	0.0356	U	-	-	0.032	U
trans-Chlordane	--	--	-	-	0.00222	J	0.0029	-	0.0416	IP	-	-	0.00239	IP	-	-	0.229	E
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	-	-	0.211	U	0.203	U	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	3.8	58	-	-	0.211	U	0.203	U	-	-	-	-	-	-	-	-	-	-
2,4-D	--	--	-	-	0.211	U	0.203	U	-	-	-	-	-	-	-	-	-	-
General Chemistry (%)																		
Solids, Total	--	--	-	-	77.6	-	81.7	-	70.9		-	-	83.6		-	-	92.2	

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).

Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interference.
J : Estimated Value. The target analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 3
Herbicides, Pesticides and Total Metals
Subsurface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-04-06-24		SS-05-06-24		SS-05-06-24		SS-06-06-24		SS-06-06-24		SS-07-06-24		SS-10-06-24		SS-10-06-24	
SAMPLING DATE			L1941472-08 R1		L1941472-10		L1941472-10 R1		L1941472-22		L1941472-22 R1		L1941699-14		L1941472-12		L1941472-12 R1	
LABORATORY SAMPLE ID			9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/12/2019		9/11/2019		9/11/2019	
SAMPLE TYPE			6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24	
SAMPLE DEPTH (feet bgs)			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	-	-	-	-	-	-	-	-	-	-	74.7		55.3		-	-
Lead, Total	63	400	-	-	-	-	-	-	-	-	-	-	151		83.8		-	-
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	-	-	0.00174	U	-	-	0.0133		-	-	0.00913	U	0.00181	U	-	-
4,4'-DDE	0.0033	1.8	-	-	0.124		-	-	0.164	E	0.138		0.215		0.207	PE	0.167	
4,4'-DDT	0.0033	1.7	-	-	0.0807		-	-	0.0464		-	-	0.123		0.214	E	0.173	
Aldrin	0.005	0.019	-	-	0.00174	U	-	-	0.0018	U	-	-	0.00913	U	0.00181	U	-	-
Alpha-BHC	0.02	0.097	-	-	0.000727	U	-	-	0.000749	U	-	-	0.00381	U	0.000755	U	-	-
Beta-BHC	0.036	0.072	-	-	0.00174	U	-	-	0.0018	U	-	-	0.00913	U	0.00181	U	-	-
Chlordane	--	--	-	-	2.37		2.37		0.402		-	-	1.46		0.319	P	-	-
cis-Chlordane	0.094	0.91	0.281		0.604	PE	0.58		0.0417	IP	-	-	0.225		0.0315		-	-
Delta-BHC	0.04	100	-	-	0.00174	U	-	-	0.0018	U	-	-	0.0655		0.00181	U	-	-
Dieldrin	0.005	0.039	0.139		0.184	E	0.151		0.07		-	-	0.0247		0.00113	U	-	-
Endosulfan I	2.4	4.8	-	-	0.00174	U	-	-	0.0018	U	-	-	0.00913	U	0.00181	U	-	-
Endosulfan II	2.4	4.8	-	-	0.00174	U	-	-	0.0018	U	-	-	0.00913	U	0.00181	U	-	-
Endosulfan sulfate	2.4	4.8	-	-	0.000727	U	-	-	0.000749	U	-	-	0.00381	U	0.000755	U	-	-
Endrin	0.014	2.2	-	-	0.000727	U	-	-	0.000749	U	-	-	0.00381	U	0.000755	U	-	-
Endrin aldehyde	--	--	-	-	0.00218	U	-	-	0.00225	U	-	-	0.0114	U	0.00226	U	-	-
Endrin ketone	--	--	-	-	0.00174	U	-	-	0.0018	U	-	-	0.00913	U	0.00181	U	-	-
Heptachlor	0.042	0.42	-	-	0.00574		-	-	0.000899	U	-	-	0.00457	U	0.000906	U	-	-
Heptachlor epoxide	--	--	-	-	0.347	E	0.367		0.0701		-	-	0.195		0.0642	P	-	-
Lindane	0.1	0.28	-	-	0.000727	U	-	-	0.000749	U	-	-	0.00381	U	0.000755	U	-	-
Methoxychlor	--	--	-	-	0.00327	U	-	-	0.00337	U	-	-	0.0171	U	0.0034	U	-	-
Toxaphene	--	--	-	-	0.0327	U	-	-	0.0337	U	-	-	0.171	U	0.034	U	-	-
trans-Chlordane	--	--	0.193		0.49	E	0.509		0.0377	P	-	-	0.145		0.0104	IP	-	-
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	3.8	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D	--	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (%)																		
Solids, Total	--	--	-	-	89		-	-	84.2		-	-	84.7		85.1		-	-

TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).

Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

Non-Detect Value - with a Reporting Limit that exceeds Part 375 Unrestricted Use SCOs and/or Restricted Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interference.
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 3
Herbicides, Pesticides and Total Metals
Subsurface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-11-06-24		SS-12-06-24		SS-13-06-24		SS-14-06-24		SS-14-06-24		SS-15-06-24		SS-15-06-24		SS-18-06-24	
SAMPLING DATE			L1941472-14		L1941699-16		L1941472-16		L1941472-18		L1941472-18 R1		L1941472-20		L1941472-20 R1		L1941472-28	
LABORATORY SAMPLE ID			9/11/2019		9/12/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
SAMPLE TYPE			6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24		6 - 24	
SAMPLE DEPTH (feet bgs)			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual
Metals by EPA Method 6010 (mg/kg)																		
Arsenic, Total	13	16	-	-	54.8	-	-	-	34		-	-	67.8		-	-	-	-
Lead, Total	63	400	-	-	29	-	-	-	42.4		-	-	87.6		-	-	-	-
Pesticides by EPA Method 8081 (mg/kg)																		
4,4'-DDD	0.0033	2.6	0.00158	U	0.0177	U	0.0123		0.0108	IP	-	-	0.00182	U	-	-	0.00177	U
4,4'-DDE	0.0033	1.8	0.00221		0.902		0.0896		0.852	PE	0.864		1	PE	1.02		0.534	E
4,4'-DDT	0.0033	1.7	0.00317		0.76		0.0123	P	0.725	PE	0.699		0.452	PE	0.389		0.249	E
Aldrin	0.005	0.019	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Alpha-BHC	0.02	0.097	0.00066	U	0.00736	U	0.00076	U	0.000725	U	-	-	0.000759	U	-	-	0.000739	U
Beta-BHC	0.036	0.072	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Chlordane	--	--	0.0129	U	3.59		0.129	PI	0.506	P	-	-	3.43	PE	3.03		0.284	
cis-Chlordane	0.094	0.91	0.00082	JP	0.783		0.0262	IP	0.0584		-	-	0.502	PE	0.663		0.0467	IP
Delta-BHC	0.04	100	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Dieldrin	0.005	0.039	0.000655	J	0.0626	P	0.0418		0.00109	U	-	-	0.03	P	-	-	0.168	E
Endosulfan I	2.4	4.8	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Endosulfan II	2.4	4.8	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Endosulfan sulfate	2.4	4.8	0.00066	U	0.00736	U	0.00076	U	0.000725	U	-	-	0.000759	U	-	-	0.000739	U
Endrin	0.014	2.2	0.00066	U	0.00736	U	0.00076	U	0.000725	U	-	-	0.000759	U	-	-	0.000739	U
Endrin aldehyde	--	--	0.00198	U	0.0221	U	0.00228	U	0.00218	U	-	-	0.00228	U	-	-	0.00222	U
Endrin ketone	--	--	0.00158	U	0.0177	U	0.00182	U	0.00174	U	-	-	0.00182	U	-	-	0.00177	U
Heptachlor	0.042	0.42	0.000792	U	0.00883	U	0.000912	U	0.00087	U	-	-	0.000911	U	-	-	0.000887	U
Heptachlor epoxide	--	--	0.00297	U	0.25	U	0.0213		0.0641		-	-	0.309	PE	0.295		0.176	E
Lindane	0.1	0.28	0.00066	U	0.00736	U	0.00076	U	0.000725	U	-	-	0.000759	U	-	-	0.000739	U
Methoxychlor	--	--	0.00297	U	0.0331	U	0.00342	U	0.00326	U	-	-	0.00342	U	-	-	0.00332	U
Toxaphene	--	--	0.0297	U	0.331	U	0.0342	U	0.0326	U	-	-	0.0342	U	-	-	0.0332	U
trans-Chlordane	--	--	0.00198	U	0.482	U	0.01	IP	0.0173	IP	-	-	0.434	PE	0.421		0.0616	
Herbicides by EPA Method 8151 (mg/kg)																		
2,4,5-T	--	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	3.8	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-D	--	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (%)																		
Solids, Total	--	--	96.8		88.6		84.8		88.1		-	-	84.4		-	-	87.2	

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.
Non-Detect Value - with a Reporting Limit that exceeds Part 375 Unrestricted Use SCOs and/or Restricted Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interference.
J : Estimated Value. The target analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.
R : Re-analysis.

Table 3
Herbicides, Pesticides and Total Metals
Subsurface Soil Sampling Results

Elmwood Country Club
Town of Greenburgh, New York

SAMPLE LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	SS-18-06-24		SS-21-06-24		SS-22-06-24		SS-22-06-24	
SAMPLING DATE			L1941472-28 R1		L1941699-06		L1941699-08		L1941699-08 R1	
LABORATORY SAMPLE ID			9/11/2019		9/12/2019		9/12/2019		9/12/2019	
SAMPLE TYPE			6 - 24		6 - 24		6 - 24		6 - 24	
SAMPLE DEPTH (feet bgs)			SOIL		SOIL		SOIL		SOIL	
			Conc	Qual	Conc	Qual	Conc	Qual	Conc	Qual
Metals by EPA Method 6010 (mg/kg)										
Arsenic, Total	13	16	-	-	-	-	7.95		-	-
Lead, Total	63	400	-	-	-	-	13.7		-	-
Pesticides by EPA Method 8081 (mg/kg)										
4,4'-DDD	0.0033	2.6	-	-	0.0015	JIP	0.0023	U	-	-
4,4'-DDE	0.0033	1.8	0.548		0.0133		0.0598		-	-
4,4'-DDT	0.0033	1.7	0.233		0.00282	J	0.0566		-	-
Aldrin	0.005	0.019	-	-	0.00168	U	0.0023	U	-	-
Alpha-BHC	0.02	0.097	-	-	0.000699	U	0.000959	U	-	-
Beta-BHC	0.036	0.072	-	-	0.00168	U	0.0023	U	-	-
Chlordane	--	--	-	-	0.039		5.12	E	3.89	
cis-Chlordane	0.094	0.91	-	-	0.00366		0.722	E	0.673	IP
Delta-BHC	0.04	100	-	-	0.00168	U	0.0023	U	-	-
Dieldrin	0.005	0.039	0.153		0.00459		0.0259	P	-	-
Endosulfan I	2.4	4.8	-	-	0.00168	U	0.0023	U	-	-
Endosulfan II	2.4	4.8	-	-	0.00168	U	0.0023	U	-	-
Endosulfan sulfate	2.4	4.8	-	-	0.000699	U	0.000959	U	-	-
Endrin	0.014	2.2	-	-	0.000699	U	0.000959	U	-	-
Endrin aldehyde	--	--	-	-	0.0021	U	0.00288	U	-	-
Endrin ketone	--	--	-	-	0.00168	U	0.0023	U	-	-
Heptachlor	0.042	0.42	-	-	0.000839	U	0.00115	U	-	-
Heptachlor epoxide	--	--	0.179		0.00235	J	0.137		-	-
Lindane	0.1	0.28	-	-	0.000699	U	0.000959	U	-	-
Methoxychlor	--	--	-	-	0.00315	U	0.00432	U	-	-
Toxaphene	--	--	-	-	0.0315	U	0.0432	U	-	-
trans-Chlordane	--	--	-	-	0.00265	IP	0.63	E	0.577	
Herbicides by EPA Method 8151 (mg/kg)										
2,4,5-T	--	--	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	3.8	58	-	-	-	-	-	-	-	-
2,4-D	--	--	-	-	-	-	-	-	-	-
General Chemistry (%)										
Solids, Total	--	--	-	-	91.7		68.4		-	-

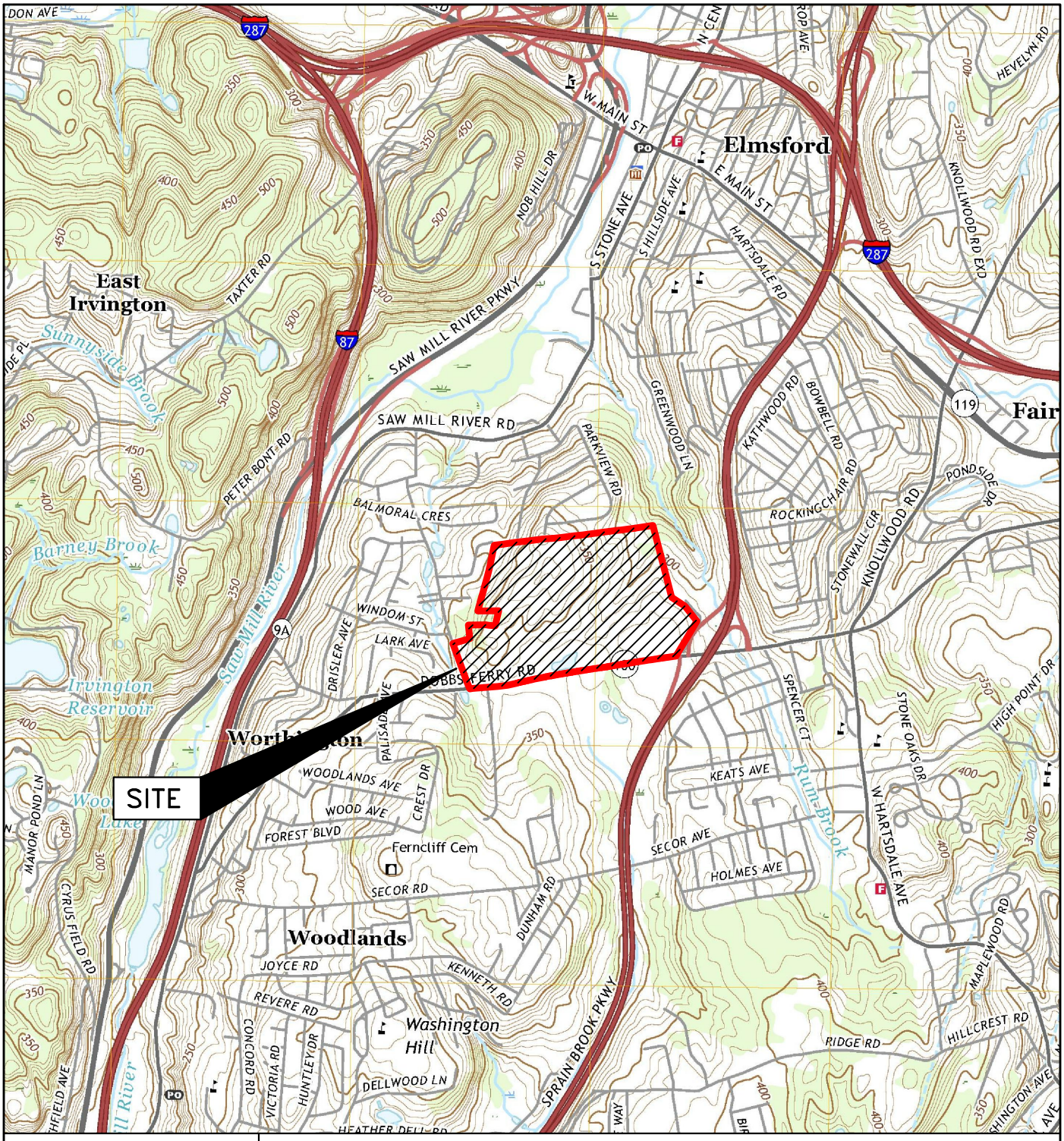
TABLE NOTES:

Exceeds Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).

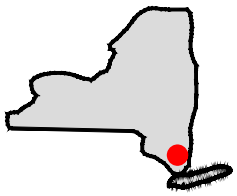
Exceeds Part 375 Unrestricted Use SCOs and Residential Use SCOs.

U : Not detected at the reported detection limit for the sample.
E : Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
P : The relative percent difference between the results for the two columns exceeds the method-specified criteria.
I : The lower value for the two columns has been reported due to matrix interference.
J : Estimated Value. The target analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL).
- : No Standard or Guidance Value.
mg/kg : Milligrams per kilogram.
inches bgs : Inches below ground surface.
Qual : Qualifiers.

FIGURES



NEW YORK



QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAP: WHITE PLAINS, NEW YORK (2019). CONTOUR INTERVAL 10FT, NAVD-1988, ORIGINAL SCALE 1:24,000 (1IN=2,000FT).

N
W E
S

ELMWOOD COUNTRY CLUB
850 DOBBS FERRY ROAD
GREENBURGH, NEW YORK

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
RIDGEWOOD ELMWOOD OWNER, LLC

SITE LOCATION MAP

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE 1
DESIGNED BY: RM	DRAWN BY: YX	SCALE: 1"=2,000'	
DATE: MAY 2020	PROJECT NO. 41.0162529.20	REVISION NO. -	SHEET NO.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM WESTCHESTER COUNTYWIDE TAX PARCEL DATA, DATED 2016 AND GOOGLE EARTH IMAGERY, DATED 2018 .
2. LOCATION OF EXISTING SITE FEATURES WERE APPROXIMATED BY GZA FIELD STAFF DURING SITE VISITS, DATED JULY 19, 2017, SEPTEMBER 11 AND 12, 2019, AND JANUARY 14, 2020.
3. LOCATIONS OF EXPLORATIONS WERE APPROXIMATED BY GZA FIELD STAFF DURING SITE VISITS, DATED JULY 19, 2017, SEPTEMBER 11 AND 12, 2019, JANUARY 14, 2020, AND MARCH 27, 2020.
4. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND

- APPROXIMATE SITE BOUNDARY
- 7.530-320-1.SE TAX PARCEL ID
- SS-## SOIL SAMPLE LOCATION (SEPTEMBER 2019)
- SS-## SOIL SAMPLING LOCATION (MARCH 2020)
- SW-2 / WS-01 GROUNDWATER SAMPLE LOCATION (JULY 2017 AND JANUARY 2020)
- SW-1 SURFACE WATER SAMPLE LOCATION (JULY 2017)

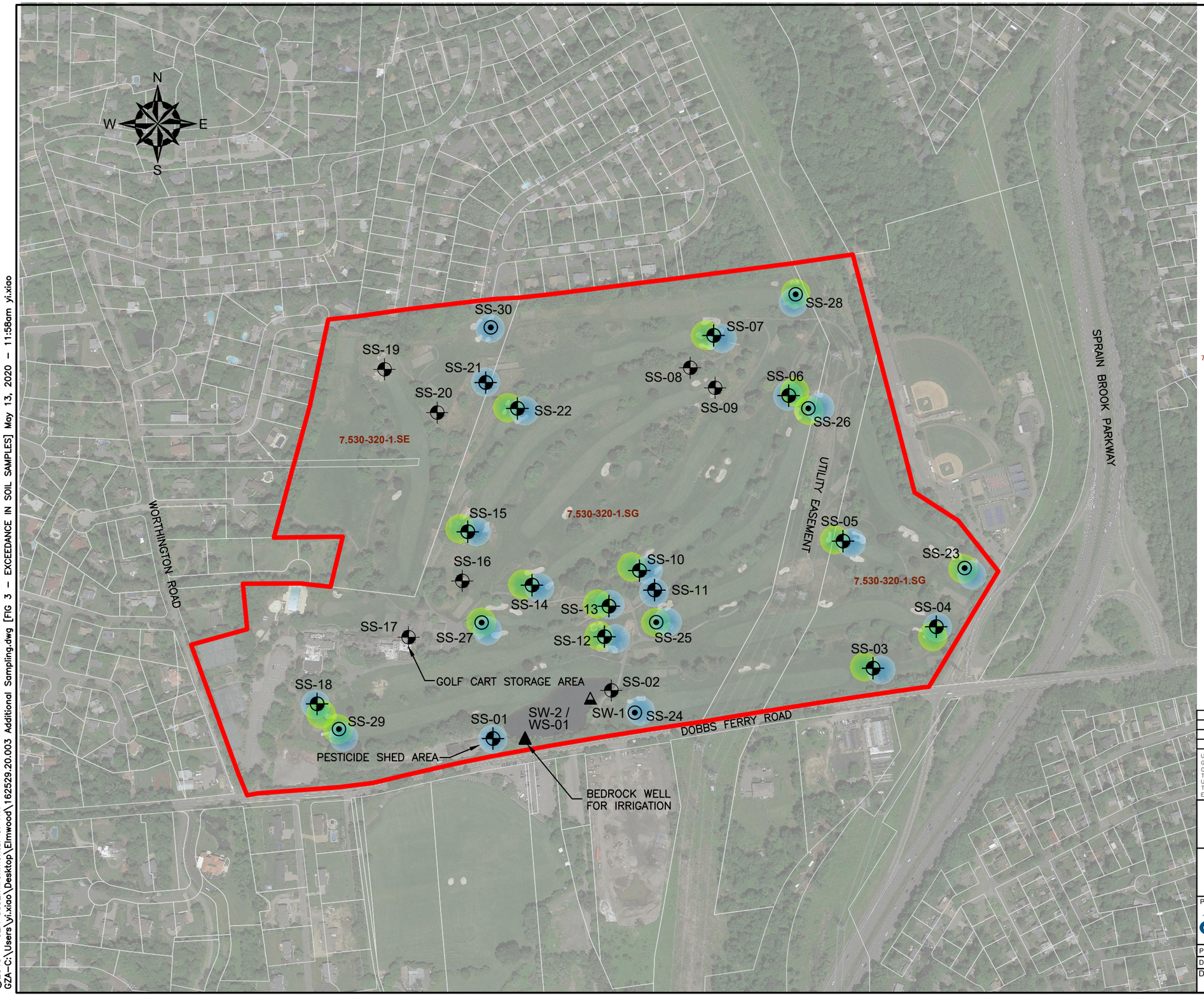
NO.	ISSUE/DESCRIPTION	BY	DATE

ELMWOOD COUNTRY CLUB
850 DOBBS FERRY ROAD
GREENBURGH, NEW YORK

SAMPLE LOCATION PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		RIDGEWOOD ELMWOOD OWNER, LLC	
PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIG 2
DESIGNED BY: SK	DRAWN BY: YX	SCALE: 1" = 400'	SHEET NO.
DATE: MAY 2020	PROJECT NO. 41.0162529.20	REVISION NO. -	

GZA-C:\Users\yi.xiao\Desktop\Elmwood\162529.20.003 Additional Sampling.dwg [FIG 2 - SAMPLE LOCATION PLAN] May 13, 2020 - 11:48am yi.xiao



GENERAL NOTES

1. BASE MAP DEVELOPED FROM WESTCHESTER COUNTYWIDE TAX PARCEL DATA, DATED 2016 AND GOOGLE EARTH IMAGERY, DATED 2018 .
2. LOCATION OF EXISTING SITE FEATURES WERE APPROXIMATED BY GZA FIELD STAFF DURING SITE VISITS, DATED JULY 19, 2017, SEPTEMBER 11 AND 12, 2019, AND JANUARY 14, 2020.
3. LOCATIONS OF EXPLORATIONS WERE APPROXIMATED BY GZA FIELD STAFF DURING SITE VISITS, DATED JULY 19, 2017, SEPTEMBER 11 AND 12, 2019, JANUARY 14, 2020, AND MARCH 27, 2020.
4. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND

- APPROXIMATE SITE BOUNDARY
- 7.530-320-1.SE TAX PARCEL ID
- SS-## SOIL SAMPLE LOCATION (SEPTEMBER 2019)
- SS-## SOIL SAMPLING LOCATION (MARCH 2020)
- SW-2 / WS-01 GROUNDWATER SAMPLE LOCATION (JULY 2017 AND JANUARY 2020)
- SW-1 SURFACE WATER SAMPLE LOCATION (JULY 2017)
- EXCEEDS PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCOS)
- EXCEEDS PART 375 UNRESTRICTED USE SCOS AND RESIDENTIAL USE SCOS

0 200 400 800
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

ELMWOOD COUNTRY CLUB
850 DOBBS FERRY ROAD
GREENBURGH, NEW YORK

EXCEEDANCES IN SOIL SAMPLES

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		RIDGEWOOD ELMWOOD OWNER, LLC	
PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIG
DESIGNED BY: SK	DRAWN BY: YX	SCALE: 1" = 400'	
DATE: MAY 2020	PROJECT NO. 41.0162529.20	REVISION NO. -	2 SHEET NO.

GZA–C:\Users\yi.xiao\Desktop\Elmwood\162529.20.003 Additional Sampling.dwg [FIG 3 – EXCEEDANCE IN SOIL SAMPLES] May 13, 2020 – 11:58am yi.xiao

ATTACHMENT A
LIMITATIONS

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

SCREENING AND ANALYTICAL TESTING

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.

9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

May 13, 2020
File No. 41.0162529.20
Elmwood Preserve Project
850 Dobbs Ferry Road, Greenburgh, NY

ATTACHMENT B
LABORATORY REPORT

ANALYTICAL REPORT

Lab Number:	L2013701
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	ELMWOOD PRESERVE
Project Number:	41.0162529.20
Report Date:	04/03/20

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: ELMWOOD PRESERVE
Project Number: 41.0162529.20

Lab Number: L2013701
Report Date: 04/03/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2013701-01	SS-23 (0-6)	SOIL	GREENBURGH, NY	03/27/20 13:05	03/27/20
L2013701-02	SS-23 (18-24)	SOIL	GREENBURGH, NY	03/27/20 13:12	03/27/20
L2013701-03	SS-24 (0-6)	SOIL	GREENBURGH, NY	03/27/20 10:43	03/27/20
L2013701-04	SS-24 (18-24)	SOIL	GREENBURGH, NY	03/27/20 10:50	03/27/20
L2013701-05	SS-25 (0-6)	SOIL	GREENBURGH, NY	03/27/20 11:00	03/27/20
L2013701-06	SS-25 (18-24)	SOIL	GREENBURGH, NY	03/27/20 11:07	03/27/20
L2013701-07	SS-26 (0-6)	SOIL	GREENBURGH, NY	03/27/20 12:45	03/27/20
L2013701-08	SS-26 (18-24)	SOIL	GREENBURGH, NY	03/27/20 12:50	03/27/20
L2013701-09	SS-27 (0-6)	SOIL	GREENBURGH, NY	03/27/20 11:40	03/27/20
L2013701-10	SS-27 (18-24)	SOIL	GREENBURGH, NY	03/27/20 11:47	03/27/20
L2013701-11	SS-28 (0-6)	SOIL	GREENBURGH, NY	03/27/20 12:27	03/27/20
L2013701-12	SS-28 (18-24)	SOIL	GREENBURGH, NY	03/27/20 12:33	03/27/20
L2013701-13	SS-29 (0-6)	SOIL	GREENBURGH, NY	03/27/20 10:20	03/27/20
L2013701-14	SS-29 (18-24)	SOIL	GREENBURGH, NY	03/27/20 10:30	03/27/20
L2013701-15	SS-30 (0-6)	SOIL	GREENBURGH, NY	03/27/20 12:05	03/27/20
L2013701-16	SS-30 (18-24)	SOIL	GREENBURGH, NY	03/27/20 12:10	03/27/20

Project Name:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

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:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

Case Narrative (continued)

Report Submission

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

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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/03/20

ORGANICS

PESTICIDES

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-01
Client ID: SS-23 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 13:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:28
Analyst: SL
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.02	0.395	1	A
Lindane	ND		ug/kg	0.840	0.376	1	A
Alpha-BHC	ND		ug/kg	0.840	0.239	1	A
Beta-BHC	ND		ug/kg	2.02	0.764	1	A
Heptachlor	ND		ug/kg	1.01	0.452	1	A
Aldrin	ND		ug/kg	2.02	0.710	1	A
Heptachlor epoxide	12.9		ug/kg	3.78	1.13	1	A
Endrin	ND		ug/kg	0.840	0.344	1	A
Endrin aldehyde	ND		ug/kg	2.52	0.882	1	A
Endrin ketone	ND		ug/kg	2.02	0.519	1	A
Dieldrin	27.7		ug/kg	1.26	0.630	1	A
4,4'-DDE	11.4		ug/kg	2.02	0.466	1	B
4,4'-DDD	ND		ug/kg	2.02	0.719	1	A
4,4'-DDT	7.20		ug/kg	3.78	1.62	1	B
Endosulfan I	ND		ug/kg	2.02	0.476	1	A
Endosulfan II	ND		ug/kg	2.02	0.674	1	A
Endosulfan sulfate	ND		ug/kg	0.840	0.400	1	A
Methoxychlor	ND		ug/kg	3.78	1.18	1	A
Toxaphene	ND		ug/kg	37.8	10.6	1	A
cis-Chlordane	16.4	IP	ug/kg	2.52	0.702	1	B
trans-Chlordane	8.06	IP	ug/kg	2.52	0.665	1	A
Chlordane	ND		ug/kg	16.8	6.68	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-01 Date Collected: 03/27/20 13:05

Client ID: SS-23 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-01
Client ID: SS-23 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 13:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 11:53
Analyst: JMC
Percent Solids: 78%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	209	13.2	1	A
2,4,5-T	ND		ug/kg	209	6.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	209	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	100		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02
Client ID: SS-23 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 13:12
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:39
Analyst: SL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	B
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	71.6		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.812	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	186	E	ug/kg	1.16	0.580	1	A
4,4'-DDE	14.3		ug/kg	1.86	0.429	1	B
4,4'-DDD	ND		ug/kg	1.86	0.662	1	A
4,4'-DDT	8.04	P	ug/kg	3.48	1.49	1	B
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.75	1	A
cis-Chlordane	87.9	P	ug/kg	2.32	0.647	1	A
trans-Chlordane	64.6		ug/kg	2.32	0.613	1	B
Chlordane	ND		ug/kg	15.5	6.15	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02 Date Collected: 03/27/20 13:12

Client ID: SS-23 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02
Client ID: SS-23 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 13:12
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 12:12
Analyst: JMC
Percent Solids: 84%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.00	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	106		30-150	B

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02 D
Client ID: SS-23 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 13:12
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 00:38
Analyst: BM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	162		ug/kg	2.32	1.16	2	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-03
Client ID: SS-24 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:43
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:50
Analyst: SL
Percent Solids: 63%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.53	0.495	1	A
Lindane	ND		ug/kg	1.05	0.471	1	A
Alpha-BHC	ND		ug/kg	1.05	0.299	1	A
Beta-BHC	ND		ug/kg	2.53	0.958	1	A
Heptachlor	ND		ug/kg	1.26	0.566	1	A
Aldrin	ND		ug/kg	2.53	0.890	1	A
Heptachlor epoxide	3.78	J	ug/kg	4.74	1.42	1	B
Endrin	ND		ug/kg	1.05	0.432	1	A
Endrin aldehyde	ND		ug/kg	3.16	1.10	1	A
Endrin ketone	ND		ug/kg	2.53	0.651	1	A
Dieldrin	9.70		ug/kg	1.58	0.790	1	B
4,4'-DDE	58.8		ug/kg	2.53	0.584	1	B
4,4'-DDD	ND		ug/kg	2.53	0.901	1	A
4,4'-DDT	33.2		ug/kg	4.74	2.03	1	B
Endosulfan I	ND		ug/kg	2.53	0.597	1	A
Endosulfan II	ND		ug/kg	2.53	0.844	1	A
Endosulfan sulfate	ND		ug/kg	1.05	0.501	1	A
Methoxychlor	ND		ug/kg	4.74	1.47	1	A
Toxaphene	ND		ug/kg	47.4	13.3	1	A
cis-Chlordane	34.7	IP	ug/kg	3.16	0.880	1	B
trans-Chlordane	4.57	IP	ug/kg	3.16	0.834	1	A
Chlordane	ND		ug/kg	21.1	8.37	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-03 Date Collected: 03/27/20 10:43

Client ID: SS-24 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-03
Client ID: SS-24 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:43
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 12:30
Analyst: JMC
Percent Solids: 63%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	260	16.4	1	A
2,4,5-T	ND		ug/kg	260	8.07	1	A
2,4,5-TP (Silvex)	ND		ug/kg	260	6.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	99		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04
Client ID: SS-24 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 17:02
Analyst: SL
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.08	0.407	1	A
Lindane	ND		ug/kg	0.866	0.387	1	A
Alpha-BHC	ND		ug/kg	0.866	0.246	1	A
Beta-BHC	ND		ug/kg	2.08	0.788	1	A
Heptachlor	ND		ug/kg	1.04	0.466	1	A
Aldrin	ND		ug/kg	2.08	0.731	1	A
Heptachlor epoxide	3.34	JP	ug/kg	3.90	1.17	1	A
Endrin	ND		ug/kg	0.866	0.355	1	A
Endrin aldehyde	ND		ug/kg	2.60	0.909	1	A
Endrin ketone	ND		ug/kg	2.08	0.535	1	A
Dieldrin	4.19		ug/kg	1.30	0.649	1	B
4,4'-DDE	321	E	ug/kg	2.08	0.480	1	B
4,4'-DDD	ND		ug/kg	2.08	0.741	1	A
4,4'-DDT	139		ug/kg	3.90	1.67	1	B
Endosulfan I	ND		ug/kg	2.08	0.491	1	A
Endosulfan II	ND		ug/kg	2.08	0.694	1	A
Endosulfan sulfate	ND		ug/kg	0.866	0.412	1	A
Methoxychlor	ND		ug/kg	3.90	1.21	1	A
Toxaphene	ND		ug/kg	39.0	10.9	1	A
cis-Chlordane	86.8		ug/kg	2.60	0.724	1	A
trans-Chlordane	23.2	IP	ug/kg	2.60	0.686	1	A
Chlordane	ND		ug/kg	17.3	6.88	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04 Date Collected: 03/27/20 10:50

Client ID: SS-24 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04
Client ID: SS-24 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 12:48
Analyst: JMC
Percent Solids: 76%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	214	13.5	1	A
2,4,5-T	ND		ug/kg	214	6.65	1	A
2,4,5-TP (Silvex)	ND		ug/kg	214	5.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	105		30-150	B

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04 D
Client ID: SS-24 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 00:51
Analyst: BM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	371		ug/kg	10.4	2.40	5	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05
Client ID: SS-25 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:00
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 17:13
Analyst: DGM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	0.397	1	A
Lindane	ND		ug/kg	0.844	0.377	1	A
Alpha-BHC	ND		ug/kg	0.844	0.240	1	A
Beta-BHC	ND		ug/kg	2.03	0.768	1	A
Heptachlor	ND		ug/kg	1.01	0.454	1	A
Aldrin	ND		ug/kg	2.03	0.713	1	A
Heptachlor epoxide	88.6		ug/kg	3.80	1.14	1	A
Endrin	ND		ug/kg	0.844	0.346	1	A
Endrin aldehyde	ND		ug/kg	2.53	0.886	1	A
Endrin ketone	ND		ug/kg	2.03	0.522	1	A
Dieldrin	102		ug/kg	1.27	0.633	1	A
4,4'-DDE	275	E	ug/kg	2.03	0.468	1	A
4,4'-DDD	ND		ug/kg	2.03	0.723	1	A
4,4'-DDT	98.6		ug/kg	3.80	1.63	1	A
Endosulfan I	ND		ug/kg	2.03	0.479	1	A
Endosulfan II	ND		ug/kg	2.03	0.677	1	A
Endosulfan sulfate	ND		ug/kg	0.844	0.402	1	A
Methoxychlor	ND		ug/kg	3.80	1.18	1	A
Toxaphene	ND		ug/kg	38.0	10.6	1	A
cis-Chlordane	190	PE	ug/kg	2.53	0.706	1	A
trans-Chlordane	28.7	IP	ug/kg	2.53	0.669	1	A
Chlordane	ND		ug/kg	16.9	6.71	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05 Date Collected: 03/27/20 11:00

Client ID: SS-25 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05
Client ID: SS-25 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:00
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 13:07
Analyst: JMC
Percent Solids: 75%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	218	13.7	1	A
2,4,5-T	ND		ug/kg	218	6.75	1	A
2,4,5-TP (Silvex)	ND		ug/kg	218	5.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	102		30-150	B

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05 D
Client ID: SS-25 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:00
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 01:03
Analyst: BM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	303		ug/kg	10.1	2.34	5	A
cis-Chlordane	73.8	IP	ug/kg	12.7	3.53	5	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-06
Client ID: SS-25 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:07
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 17:24
Analyst: DGM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.381	1	A
Lindane	ND		ug/kg	0.812	0.363	1	A
Alpha-BHC	ND		ug/kg	0.812	0.230	1	A
Beta-BHC	ND		ug/kg	1.95	0.738	1	A
Heptachlor	ND		ug/kg	0.974	0.437	1	A
Aldrin	ND		ug/kg	1.95	0.686	1	A
Heptachlor epoxide	1.66	J	ug/kg	3.65	1.10	1	A
Endrin	ND		ug/kg	0.812	0.333	1	A
Endrin aldehyde	ND		ug/kg	2.43	0.852	1	A
Endrin ketone	ND		ug/kg	1.95	0.502	1	A
Dieldrin	1.44		ug/kg	1.22	0.609	1	B
4,4'-DDE	15.9		ug/kg	1.95	0.450	1	A
4,4'-DDD	ND		ug/kg	1.95	0.695	1	A
4,4'-DDT	4.41		ug/kg	3.65	1.57	1	B
Endosulfan I	ND		ug/kg	1.95	0.460	1	A
Endosulfan II	ND		ug/kg	1.95	0.651	1	A
Endosulfan sulfate	ND		ug/kg	0.812	0.386	1	A
Methoxychlor	ND		ug/kg	3.65	1.14	1	A
Toxaphene	ND		ug/kg	36.5	10.2	1	A
cis-Chlordane	1.82	JIP	ug/kg	2.43	0.678	1	B
trans-Chlordane	1.15	JIP	ug/kg	2.43	0.643	1	A
Chlordane	ND		ug/kg	16.2	6.45	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-06 Date Collected: 03/27/20 11:07

Client ID: SS-25 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-06
Client ID: SS-25 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:07
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 13:25
Analyst: JMC
Percent Solids: 81%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	204	12.8	1	A
2,4,5-T	ND		ug/kg	204	6.31	1	A
2,4,5-TP (Silvex)	ND		ug/kg	204	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	104		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07
Client ID: SS-26 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:45
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 17:36
Analyst: DGM
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.387	1	A
Lindane	ND		ug/kg	0.824	0.368	1	A
Alpha-BHC	ND		ug/kg	0.824	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.750	1	A
Heptachlor	ND		ug/kg	0.989	0.443	1	A
Aldrin	ND		ug/kg	1.98	0.696	1	A
Heptachlor epoxide	686	E	ug/kg	3.71	1.11	1	B
Endrin	ND		ug/kg	0.824	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.47	0.865	1	A
Endrin ketone	ND		ug/kg	1.98	0.509	1	A
Dieldrin	452	E	ug/kg	1.24	0.618	1	B
4,4'-DDE	142		ug/kg	1.98	0.457	1	B
4,4'-DDD	ND		ug/kg	1.98	0.705	1	A
4,4'-DDT	56.5	IP	ug/kg	3.71	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.467	1	A
Endosulfan II	ND		ug/kg	1.98	0.661	1	A
Endosulfan sulfate	ND		ug/kg	0.824	0.392	1	A
Methoxychlor	ND		ug/kg	3.71	1.15	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	1430	PE	ug/kg	2.47	0.689	1	A
trans-Chlordane	729	E	ug/kg	2.47	0.653	1	B
Chlordane	ND		ug/kg	16.5	6.55	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07 Date Collected: 03/27/20 12:45

Client ID: SS-26 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07
Client ID: SS-26 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:45
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 13:43
Analyst: JMC
Percent Solids: 79%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	13.3	1	A
2,4,5-T	ND		ug/kg	211	6.54	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	5.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	100		30-150	B

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07 D
Client ID: SS-26 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:45
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 01:16
Analyst: BM
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Heptachlor epoxide	733		ug/kg	37.1	11.1	10	B
Dieldrin	445		ug/kg	12.4	6.18	10	A
cis-Chlordane	835	IP	ug/kg	24.7	6.89	10	B
trans-Chlordane	915		ug/kg	24.7	6.53	10	A

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-08
Client ID: SS-26 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 17:47
Analyst: DGM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.354	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.214	1	A
Beta-BHC	ND		ug/kg	1.80	0.685	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.80	0.636	1	A
Heptachlor epoxide	54.3		ug/kg	3.39	1.02	1	B
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.790	1	A
Endrin ketone	ND		ug/kg	1.80	0.465	1	A
Dieldrin	25.6		ug/kg	1.13	0.564	1	B
4,4'-DDE	11.3		ug/kg	1.80	0.418	1	A
4,4'-DDD	ND		ug/kg	1.80	0.644	1	A
4,4'-DDT	2.94	JIP	ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.427	1	A
Endosulfan II	ND		ug/kg	1.80	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.48	1	A
cis-Chlordane	26.4	IP	ug/kg	2.26	0.629	1	B
trans-Chlordane	28.1		ug/kg	2.26	0.596	1	B
Chlordane	ND		ug/kg	15.0	5.98	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-08 Date Collected: 03/27/20 12:50

Client ID: SS-26 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-08
Client ID: SS-26 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 14:02
Analyst: JMC
Percent Solids: 87%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.9	1	A
2,4,5-T	ND		ug/kg	188	5.84	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	103		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09
Client ID: SS-27 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:40
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 15:44
Analyst: SL
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.29	0.448	1	A
Lindane	ND		ug/kg	0.953	0.426	1	A
Alpha-BHC	ND		ug/kg	0.953	0.271	1	A
Beta-BHC	ND		ug/kg	2.29	0.867	1	A
Heptachlor	ND		ug/kg	1.14	0.513	1	A
Aldrin	ND		ug/kg	2.29	0.805	1	A
Heptachlor epoxide	138		ug/kg	4.29	1.29	1	A
Endrin	ND		ug/kg	0.953	0.391	1	A
Endrin aldehyde	ND		ug/kg	2.86	1.00	1	A
Endrin ketone	ND		ug/kg	2.29	0.589	1	A
Dieldrin	234	E	ug/kg	1.43	0.715	1	A
4,4'-DDE	483	E	ug/kg	2.29	0.529	1	A
4,4'-DDD	ND		ug/kg	2.29	0.816	1	A
4,4'-DDT	179		ug/kg	4.29	1.84	1	A
Endosulfan I	ND		ug/kg	2.29	0.540	1	A
Endosulfan II	ND		ug/kg	2.29	0.764	1	A
Endosulfan sulfate	ND		ug/kg	0.953	0.454	1	A
Methoxychlor	ND		ug/kg	4.29	1.33	1	A
Toxaphene	ND		ug/kg	42.9	12.0	1	A
cis-Chlordane	33.9	IP	ug/kg	2.86	0.797	1	B
trans-Chlordane	21.7		ug/kg	2.86	0.755	1	A
Chlordane	ND		ug/kg	19.0	7.58	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09 Date Collected: 03/27/20 11:40

Client ID: SS-27 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09
Client ID: SS-27 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:40
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 14:20
Analyst: JMC
Percent Solids: 67%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	246	15.5	1	A
2,4,5-T	ND		ug/kg	246	7.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	246	6.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	115		30-150	B

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09 D
Client ID: SS-27 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:40
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 02:21
Analyst: BM
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	188		ug/kg	7.15	3.57	5	A
4,4'-DDE	388		ug/kg	11.4	2.64	5	A

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-10
Client ID: SS-27 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:47
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 08:31
Analyst: BM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.828	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	5.35		ug/kg	1.18	0.591	1	B
4,4'-DDE	18.5		ug/kg	1.89	0.437	1	B
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	8.48		ug/kg	3.55	1.52	1	B
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.375	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.93	1	A
cis-Chlordane	0.914	JIP	ug/kg	2.36	0.659	1	B
trans-Chlordane	ND		ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.8	6.27	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-10 Date Collected: 03/27/20 11:47

Client ID: SS-27 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-10
Client ID: SS-27 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 11:47
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 14:57
Analyst: JMC
Percent Solids: 82%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.16	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	101		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-11
Client ID: SS-28 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:27
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 00:33
Analyst: BM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/01/20 10:28
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.801	0.358	1	A
Alpha-BHC	ND		ug/kg	0.801	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.729	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	26.8		ug/kg	3.61	1.08	1	B
Endrin	ND		ug/kg	0.801	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.841	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	33.8		ug/kg	1.20	0.601	1	B
4,4'-DDE	85.8		ug/kg	1.92	0.445	1	A
4,4'-DDD	1.34	J	ug/kg	1.92	0.686	1	A
4,4'-DDT	11.6		ug/kg	3.61	1.55	1	B
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.801	0.381	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	19.3	IP	ug/kg	2.40	0.670	1	B
trans-Chlordane	12.0		ug/kg	2.40	0.635	1	B
Chlordane	193		ug/kg	16.0	6.37	1	B

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-11 Date Collected: 03/27/20 12:27

Client ID: SS-28 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-11
Client ID: SS-28 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:27
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 15:15
Analyst: JMC
Percent Solids: 81%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.7	1	A
2,4,5-T	ND		ug/kg	201	6.24	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	112		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12
Client ID: SS-28 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:33
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:03
Analyst: SL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.690	1	A
Heptachlor	ND		ug/kg	0.910	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	220	E	ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.797	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	259	E	ug/kg	1.14	0.569	1	A
4,4'-DDE	385	E	ug/kg	1.82	0.421	1	A
4,4'-DDD	5.98		ug/kg	1.82	0.650	1	B
4,4'-DDT	109		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.56	1	A
cis-Chlordane	161	PE	ug/kg	2.28	0.634	1	A
trans-Chlordane	70.0		ug/kg	2.28	0.601	1	B
Chlordane	ND		ug/kg	15.2	6.03	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12 Date Collected: 03/27/20 12:33

Client ID: SS-28 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12
Client ID: SS-28 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:33
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 15:33
Analyst: JMC
Percent Solids: 85%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	12.0	1	A
2,4,5-T	ND		ug/kg	190	5.90	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	114		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12 D
Client ID: SS-28 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:33
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 02:34
Analyst: BM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Heptachlor epoxide	176		ug/kg	17.1	5.12	5	B
Dieldrin	219		ug/kg	5.69	2.84	5	A
4,4'-DDE	327		ug/kg	9.10	2.10	5	A
cis-Chlordane	73.4	IP	ug/kg	11.4	3.17	5	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13
Client ID: SS-29 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:20
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:12
Analyst: SL
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.16	0.422	1	A
Lindane	ND		ug/kg	0.899	0.402	1	A
Alpha-BHC	ND		ug/kg	0.899	0.255	1	A
Beta-BHC	ND		ug/kg	2.16	0.818	1	A
Heptachlor	ND		ug/kg	1.08	0.483	1	A
Aldrin	ND		ug/kg	2.16	0.759	1	A
Heptachlor epoxide	161		ug/kg	4.04	1.21	1	A
Endrin	ND		ug/kg	0.899	0.368	1	A
Endrin aldehyde	ND		ug/kg	2.70	0.944	1	A
Endrin ketone	ND		ug/kg	2.16	0.555	1	A
Dieldrin	671	E	ug/kg	1.35	0.674	1	A
4,4'-DDE	190	E	ug/kg	2.16	0.499	1	A
4,4'-DDD	ND		ug/kg	2.16	0.769	1	A
4,4'-DDT	102		ug/kg	4.04	1.73	1	B
Endosulfan I	ND		ug/kg	2.16	0.510	1	A
Endosulfan II	ND		ug/kg	2.16	0.721	1	A
Endosulfan sulfate	ND		ug/kg	0.899	0.428	1	A
Methoxychlor	ND		ug/kg	4.04	1.26	1	A
Toxaphene	ND		ug/kg	40.4	11.3	1	A
cis-Chlordane	408	PE	ug/kg	2.70	0.751	1	A
trans-Chlordane	82.2		ug/kg	2.70	0.712	1	B
Chlordane	ND		ug/kg	18.0	7.14	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13 Date Collected: 03/27/20 10:20

Client ID: SS-29 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13
Client ID: SS-29 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:20
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 15:52
Analyst: JMC
Percent Solids: 72%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	231	14.6	1	A
2,4,5-T	ND		ug/kg	231	7.17	1	A
2,4,5-TP (Silvex)	ND		ug/kg	231	6.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	104		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13 D
Client ID: SS-29 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:20
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 02:47
Analyst: BM
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	578		ug/kg	6.74	3.37	5	A
4,4'-DDE	169		ug/kg	10.8	2.49	5	A
cis-Chlordane	97.4	IP	ug/kg	13.5	3.76	5	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-14
Client ID: SS-29 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:30
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/03/20 00:43
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 04/01/20 11:10
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.02	0.396	1	A
Lindane	ND		ug/kg	0.842	0.376	1	A
Alpha-BHC	ND		ug/kg	0.842	0.239	1	A
Beta-BHC	ND		ug/kg	2.02	0.766	1	A
Heptachlor	ND		ug/kg	1.01	0.453	1	A
Aldrin	ND		ug/kg	2.02	0.712	1	A
Heptachlor epoxide	8.50		ug/kg	3.79	1.14	1	B
Endrin	ND		ug/kg	0.842	0.345	1	A
Endrin aldehyde	ND		ug/kg	2.53	0.884	1	A
Endrin ketone	ND		ug/kg	2.02	0.520	1	A
Dieldrin	27.2		ug/kg	1.26	0.632	1	A
4,4'-DDE	9.55		ug/kg	2.02	0.467	1	B
4,4'-DDD	ND		ug/kg	2.02	0.721	1	A
4,4'-DDT	3.18	J	ug/kg	3.79	1.62	1	B
Endosulfan I	ND		ug/kg	2.02	0.478	1	A
Endosulfan II	ND		ug/kg	2.02	0.675	1	A
Endosulfan sulfate	ND		ug/kg	0.842	0.401	1	A
Methoxychlor	ND		ug/kg	3.79	1.18	1	A
Toxaphene	ND		ug/kg	37.9	10.6	1	A
cis-Chlordane	3.85	IP	ug/kg	2.53	0.704	1	B
trans-Chlordane	2.22	J	ug/kg	2.53	0.667	1	A
Chlordane	ND		ug/kg	16.8	6.70	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-14 Date Collected: 03/27/20 10:30

Client ID: SS-29 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-14
Client ID: SS-29 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 10:30
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 16:10
Analyst: JMC
Percent Solids: 78%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	13.3	1	A
2,4,5-T	ND		ug/kg	211	6.55	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	5.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	111		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-15
Client ID: SS-30 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:22
Analyst: SL
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.22	0.435	1	A
Lindane	ND		ug/kg	0.926	0.414	1	A
Alpha-BHC	ND		ug/kg	0.926	0.263	1	A
Beta-BHC	ND		ug/kg	2.22	0.843	1	A
Heptachlor	ND		ug/kg	1.11	0.498	1	A
Aldrin	ND		ug/kg	2.22	0.782	1	A
Heptachlor epoxide	2.21	J	ug/kg	4.17	1.25	1	B
Endrin	ND		ug/kg	0.926	0.380	1	A
Endrin aldehyde	ND		ug/kg	2.78	0.972	1	A
Endrin ketone	ND		ug/kg	2.22	0.572	1	A
Dieldrin	2.64		ug/kg	1.39	0.694	1	B
4,4'-DDE	12.9		ug/kg	2.22	0.514	1	B
4,4'-DDD	ND		ug/kg	2.22	0.793	1	A
4,4'-DDT	23.4		ug/kg	4.17	1.79	1	B
Endosulfan I	ND		ug/kg	2.22	0.525	1	A
Endosulfan II	ND		ug/kg	2.22	0.743	1	A
Endosulfan sulfate	ND		ug/kg	0.926	0.441	1	A
Methoxychlor	ND		ug/kg	4.17	1.30	1	A
Toxaphene	ND		ug/kg	41.7	11.7	1	A
cis-Chlordane	2.71	JIP	ug/kg	2.78	0.774	1	B
trans-Chlordane	1.58	JIP	ug/kg	2.78	0.733	1	A
Chlordane	ND		ug/kg	18.5	7.36	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-15 Date Collected: 03/27/20 12:05

Client ID: SS-30 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-15
Client ID: SS-30 (0-6)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 16:28
Analyst: JMC
Percent Solids: 71%
Methylation Date: 03/30/20 06:51

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	228	14.4	1	A
2,4,5-T	ND		ug/kg	228	7.09	1	A
2,4,5-TP (Silvex)	ND		ug/kg	228	6.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	100		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-16
Client ID: SS-30 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:10
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/02/20 16:32
Analyst: SL
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 03/31/20 19:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.728	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.676	1	A
Heptachlor epoxide	4.83		ug/kg	3.60	1.08	1	B
Endrin	ND		ug/kg	0.799	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.839	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	9.95		ug/kg	1.20	0.600	1	B
4,4'-DDE	31.0		ug/kg	1.92	0.444	1	B
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	11.5		ug/kg	3.60	1.54	1	B
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	4.23	IP	ug/kg	2.40	0.668	1	B
trans-Chlordane	2.90		ug/kg	2.40	0.633	1	B
Chlordane	ND		ug/kg	16.0	6.36	1	A

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-16 Date Collected: 03/27/20 12:10

Client ID: SS-30 (18-24) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-16
Client ID: SS-30 (18-24)
Sample Location: GREENBURGH, NY

Date Collected: 03/27/20 12:10
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/30/20 16:47
Analyst: JMC
Percent Solids: 82%
Methylation Date: 03/30/20 03:20

Extraction Method: EPA 8151A
Extraction Date: 03/29/20 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	12.8	1	A
2,4,5-T	ND		ug/kg	203	6.29	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	107		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/30/20 10:47
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 03/28/20 23:44

Methylation Date: 03/30/20 03:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-16 Batch: WG1356160-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.11	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	89		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/31/20 11:36
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 03/31/20 05:10
Cleanup Method: EPA 3620B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10,12-13,15-16 Batch: WG1356643-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.649	0.290	A
Alpha-BHC	ND		ug/kg	0.649	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.779	0.349	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.649	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.682	A
Endrin ketone	ND		ug/kg	1.56	0.401	A
Dieldrin	ND		ug/kg	0.974	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.649	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.909	A
Toxaphene	ND		ug/kg	29.2	8.18	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.514	A
Chlordane	ND		ug/kg	13.0	5.16	A

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/31/20 11:36
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 03/31/20 05:10
Cleanup Method: EPA 3620B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10,12-13,15-16 Batch: WG1356643-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/02/20 23:35
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 04/01/20 10:28
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11,14 Batch: WG1357208-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.631	0.282	A
Alpha-BHC	ND		ug/kg	0.631	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.574	A
Heptachlor	ND		ug/kg	0.757	0.339	A
Aldrin	ND		ug/kg	1.51	0.533	A
Heptachlor epoxide	ND		ug/kg	2.84	0.852	A
Endrin	ND		ug/kg	0.631	0.259	A
Endrin aldehyde	ND		ug/kg	1.89	0.662	A
Endrin ketone	ND		ug/kg	1.51	0.390	A
Dieldrin	ND		ug/kg	0.946	0.473	A
4,4'-DDE	ND		ug/kg	1.51	0.350	A
4,4'-DDD	ND		ug/kg	1.51	0.540	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.358	A
Endosulfan II	ND		ug/kg	1.51	0.506	A
Endosulfan sulfate	ND		ug/kg	0.631	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.883	A
Toxaphene	ND		ug/kg	28.4	7.95	A
cis-Chlordane	ND		ug/kg	1.89	0.527	A
trans-Chlordane	ND		ug/kg	1.89	0.500	A
Chlordane	ND		ug/kg	12.6	5.02	A

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/02/20 23:35
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 04/01/20 10:28
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11,14 Batch: WG1357208-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	116		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-16 Batch: WG1356160-2 WG1356160-3									
2,4-D	111		109		30-150	2		30	A
2,4,5-T	119		119		30-150	0		30	A
2,4,5-TP (Silvex)	124		123		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	110		112		30-150	A
DCAA	110		106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20

Lab Number: L2013701
Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10,12-13,15-16 Batch: WG1356643-2 WG1356643-3									
Delta-BHC	65		77		30-150	17		30	A
Lindane	67		77		30-150	14		30	A
Alpha-BHC	71		81		30-150	13		30	A
Beta-BHC	81		91		30-150	12		30	A
Heptachlor	72		81		30-150	12		30	A
Aldrin	72		81		30-150	12		30	A
Heptachlor epoxide	66		75		30-150	13		30	A
Endrin	71		81		30-150	13		30	A
Endrin aldehyde	48		63		30-150	27		30	A
Endrin ketone	56		72		30-150	25		30	A
Dieldrin	74		84		30-150	13		30	A
4,4'-DDE	73		81		30-150	10		30	A
4,4'-DDD	77		88		30-150	13		30	A
4,4'-DDT	73		82		30-150	12		30	A
Endosulfan I	66		75		30-150	13		30	A
Endosulfan II	65		78		30-150	18		30	A
Endosulfan sulfate	42		58		30-150	**32**	Q	30	A
Methoxychlor	66		79		30-150	18		30	A
cis-Chlordane	67		76		30-150	13		30	A
trans-Chlordane	70		80		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10,12-13,15-16 Batch: WG1356643-2 WG1356643-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	A
Decachlorobiphenyl	69		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		76		30-150	B
Decachlorobiphenyl	66		71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11,14 Batch: WG1357208-2 WG1357208-3									
Delta-BHC	86		82		30-150	5		30	A
Lindane	89		86		30-150	3		30	A
Alpha-BHC	89		86		30-150	3		30	A
Beta-BHC	95		91		30-150	4		30	A
Heptachlor	87		85		30-150	2		30	A
Aldrin	87		84		30-150	4		30	A
Heptachlor epoxide	87		87		30-150	0		30	A
Endrin	90		89		30-150	1		30	A
Endrin aldehyde	78		80		30-150	3		30	A
Endrin ketone	79		80		30-150	1		30	A
Dieldrin	93		91		30-150	2		30	A
4,4'-DDE	86		86		30-150	0		30	A
4,4'-DDD	85		84		30-150	1		30	A
4,4'-DDT	87		86		30-150	1		30	A
Endosulfan I	83		82		30-150	1		30	A
Endosulfan II	85		84		30-150	1		30	A
Endosulfan sulfate	62		64		30-150	3		30	A
Methoxychlor	96		98		30-150	2		30	A
cis-Chlordane	78		75		30-150	4		30	A
trans-Chlordane	81		81		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11,14 Batch: WG1357208-2 WG1357208-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		84		30-150	A
Decachlorobiphenyl	93		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		82		30-150	B
Decachlorobiphenyl	102		102		30-150	B

METALS

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-01
Client ID: SS-23 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 13:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	10.1		mg/kg	0.489	0.102	1	03/30/20 23:11	04/01/20 19:27	EPA 3050B	1,6010D	LC
Lead, Total	32.0		mg/kg	2.45	0.131	1	03/30/20 23:11	04/01/20 19:27	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02
Client ID: SS-23 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 13:12
Date Received: 03/27/20
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											
Arsenic, Total	7.15		mg/kg	0.464	0.097	1	03/30/20 23:11	04/01/20 19:45	EPA 3050B	1,6010D	LC
Lead, Total	27.5		mg/kg	2.32	0.124	1	03/30/20 23:11	04/01/20 19:45	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-03
Client ID: SS-24 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 10:43
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.22		mg/kg	0.625	0.130	1	03/30/20 23:11	04/01/20 19:50	EPA 3050B	1,6010D	LC
Lead, Total	56.8		mg/kg	3.12	0.167	1	03/30/20 23:11	04/01/20 19:50	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04
Client ID: SS-24 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 10:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	7.16		mg/kg	0.516	0.107	1	03/30/20 23:11	04/01/20 19:54	EPA 3050B	1,6010D	LC
Lead, Total	35.0		mg/kg	2.58	0.138	1	03/30/20 23:11	04/01/20 19:54	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05
Client ID: SS-25 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 11:00
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	60.6		mg/kg	0.502	0.104	1	03/30/20 23:11	04/01/20 20:12	EPA 3050B	1,6010D	LC
Lead, Total	126		mg/kg	2.51	0.134	1	03/30/20 23:11	04/01/20 20:12	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-06
Client ID: SS-25 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 11:07
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	13.6		mg/kg	0.490	0.102	1	03/30/20 23:11	04/01/20 20:17	EPA 3050B	1,6010D	LC
Lead, Total	24.4		mg/kg	2.45	0.131	1	03/30/20 23:11	04/01/20 20:17	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07
Client ID: SS-26 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 12:45
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	200		mg/kg	0.480	0.100	1	03/30/20 23:11	04/01/20 20:22	EPA 3050B	1,6010D	LC
Lead, Total	33.7		mg/kg	2.40	0.128	1	03/30/20 23:11	04/01/20 20:22	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-08
Client ID: SS-26 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 12:50
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	7.94		mg/kg	0.441	0.092	1	03/30/20 23:11	04/01/20 20:26	EPA 3050B	1,6010D	LC
Lead, Total	5.26		mg/kg	2.20	0.118	1	03/30/20 23:11	04/01/20 20:26	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09
Client ID: SS-27 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 11:40
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	100		mg/kg	0.580	0.121	1	03/30/20 23:11	04/01/20 20:31	EPA 3050B	1,6010D	LC
Lead, Total	131		mg/kg	2.90	0.155	1	03/30/20 23:11	04/01/20 20:31	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-10
Client ID: SS-27 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 11:47
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	10.8		mg/kg	0.477	0.099	1	03/30/20 23:11	04/01/20 20:35	EPA 3050B	1,6010D	LC
Lead, Total	28.0		mg/kg	2.38	0.128	1	03/30/20 23:11	04/01/20 20:35	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE **Lab Number:** L2013701

Project Number: 41.0162529.20 **Report Date:** 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-11 Date Collected: 03/27/20 12:27

Client ID: SS-28 (0-6) Date Received: 03/27/20

Sample Location: GREENBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	19.9		mg/kg	0.479	0.100	1	03/30/20 23:11	04/01/20 20:40	EPA 3050B	1,6010D	LC
Lead, Total	45.4		mg/kg	2.40	0.128	1	03/30/20 23:11	04/01/20 20:40	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12
Client ID: SS-28 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 12:33
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	52.2		mg/kg	0.440	0.092	1	03/30/20 23:11	04/01/20 20:45	EPA 3050B	1,6010D	LC
Lead, Total	92.1		mg/kg	2.20	0.118	1	03/30/20 23:11	04/01/20 20:45	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13
Client ID: SS-29 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 10:20
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	200		mg/kg	0.548	0.114	1	03/30/20 23:11	04/01/20 20:50	EPA 3050B	1,6010D	LC
Lead, Total	402		mg/kg	2.74	0.147	1	03/30/20 23:11	04/01/20 20:50	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-14
Client ID: SS-29 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 10:30
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.47		mg/kg	0.494	0.103	1	03/30/20 23:11	04/01/20 21:17	EPA 3050B	1,6010D	LC
Lead, Total	35.6		mg/kg	2.47	0.132	1	03/30/20 23:11	04/01/20 21:17	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-15
Client ID: SS-30 (0-6)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 12:05
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	12.0		mg/kg	0.555	0.116	1	03/30/20 23:11	04/01/20 21:22	EPA 3050B	1,6010D	LC
Lead, Total	41.0		mg/kg	2.78	0.149	1	03/30/20 23:11	04/01/20 21:22	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Lab Number: L2013701
Project Number: 41.0162529.20
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-16
Client ID: SS-30 (18-24)
Sample Location: GREENBURGH, NY
Date Collected: 03/27/20 12:10
Date Received: 03/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	15.3		mg/kg	0.482	0.100	1	03/30/20 23:11	04/01/20 21:27	EPA 3050B	1,6010D	LC
Lead, Total	51.1		mg/kg	2.41	0.129	1	03/30/20 23:11	04/01/20 21:27	EPA 3050B	1,6010D	LC

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

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): 01-16 Batch: WG1356514-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/30/20 23:11	04/01/20 19:18	1,6010D	LC
Lead, Total	0.108	J	mg/kg	2.00	0.107	1	03/30/20 23:11	04/01/20 19:18	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1356514-2 SRM Lot Number: D105-540								
Arsenic, Total	105		-		70-130	-		
Lead, Total	98		-		71-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20

Lab Number: L2013701
Report Date: 04/03/20

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): 01-16 QC Batch ID: WG1356514-3 QC Sample: L2013701-01 Client ID: SS-23 (0-6)												
Arsenic, Total	10.1	12.2	22.8	104		-	-		75-125	-		20
Lead, Total	32.0	51.9	80.1	92		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1356514-4 QC Sample: L2013701-01 Client ID: SS-23 (0-6)						
Arsenic, Total	10.1	10.1	mg/kg	0		20
Lead, Total	32.0	30.8	mg/kg	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-01
Client ID: SS-23 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 13:05
Date Received: 03/27/20
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	78.1		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-02
Client ID: SS-23 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 13:12
Date Received: 03/27/20
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	83.7		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-03
Client ID: SS-24 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 10:43
Date Received: 03/27/20
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	63.1		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-04
Client ID: SS-24 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 10:50
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.6		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-05
Client ID: SS-25 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 11:00
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-06
Client ID: SS-25 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 11:07
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-07
Client ID: SS-26 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:45
Date Received: 03/27/20
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	78.6		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-08
Client ID: SS-26 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:50
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-09
Client ID: SS-27 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 11:40
Date Received: 03/27/20
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	67.4		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-10
Client ID: SS-27 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 11:47
Date Received: 03/27/20
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	81.8		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-11
Client ID: SS-28 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:27
Date Received: 03/27/20
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	81.4		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-12
Client ID: SS-28 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:33
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-13
Client ID: SS-29 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 10:20
Date Received: 03/27/20
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	71.7		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-14
Client ID: SS-29 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 10:30
Date Received: 03/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-15
Client ID: SS-30 (0-6)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:05
Date Received: 03/27/20
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	70.9		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20
Lab Number: L2013701
Report Date: 04/03/20

SAMPLE RESULTS

Lab ID: L2013701-16
Client ID: SS-30 (18-24)
Sample Location: GREENBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/27/20 12:10
Date Received: 03/27/20
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	81.7		%	0.100	NA	1	-	03/28/20 11:53	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: ELMWOOD PRESERVE

Project Number: 41.0162529.20

Lab Number: L2013701

Report Date: 04/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1356100-1 QC Sample: L2013701-01 Client ID: SS-23 (0-6)						
Solids, Total	78.1	78.4	%	0		20

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20

Lab Number: L2013701
Report Date: 04/03/20

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(*)
L2013701-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-01B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-02B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-03B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-04B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-05B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-06B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-07B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-08B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-09B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-10A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-10B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-11B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-12A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)

*Values in parentheses indicate holding time in days

Project Name: ELMWOOD PRESERVE
Project Number: 41.0162529.20

Lab Number: L2013701
Report Date: 04/03/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2013701-12B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-13A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-13B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-14A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-14B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-15B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)
L2013701-16A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		AS-TI(180),PB-TI(180)
L2013701-16B	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		HERB-APA(14),TS(7),NYTCL-8081(14)

*Values in parentheses indicate holding time in days

Project Name:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

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. 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.

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

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

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

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

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

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

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

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ELMWOOD PRESERVE	**Lab Number:**	L2013701
Project Number:	41.0162529.20	**Report Date:**	04/03/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
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.**

Mansfield Facility:

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

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

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

Serial_No:04032015:55

NEW YORK CHAIN OF CUSTODY

ALPHA

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: 3/27/20

ALPHA Job #: L2013701

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

Project Information
Project Name: Elmwood Preserve
Project Location: Greenburgh, NY
Project #: 41.0162529.20
(Use Project name as Project #) ☐
Project Manager: Bill Manriquez
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

Client Information
Client: GZA
Address: 104 W 29th St 10th Floor, NY, NY 10001
Phone: 212-594-8140
Fax:
Email: bill.Manriquez@gza.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 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	TCL Pesticides 8081B, Total Metals	Herbicides 8151A, HERB-APA NYTCL-PCB	Total Arsenic 6020B	Total Lead 6020B	Sample Specific Comments	Total Bottles
13701-01	SS-23 (0-6)	3/27	~~10:43~~ 13:05	S	BM	X	X	X	X		
-02	SS-23 (18-24)	3/27	13:12	S	BM	↓	↓	↓	↓		
-03	SS-24 (0-6)	3/27	10:43	↓	↓	↓	↓	↓	↓		
-04	SS-24 (18-24)	3/27	10:50	↓	↓	↓	↓	↓	↓		
-05	SS-25 (0-6)	↓	11:00	↓	↓	↓	↓	↓	↓		
-06	SS-25 (18-24)	↓	11:07	↓	↓	↓	↓	↓	↓		
-07	SS-26 (0-6)	↓	12:45	↓	↓	↓	↓	↓	↓		
-08	SS-26 (18-24)	↓	12:50	↓	↓	↓	↓	↓	↓		
-09	SS-27 (0-6)	↓	11:40	↓	↓	↓	↓	↓	↓		
-10	SS-27 (18-24)	↓	11:47	↓	↓	↓	↓	↓	↓		

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

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

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

Container Type	A	A	A	A
Preservative	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/27 14:49	RBIR AAL	3/27/20 14:49
RBIR AAL	3/27/20 15:45	RS. AAL	3/27/20 17:00
RS. AAL	3/27/20 20:30	[signature] AAL	3/27/20 2030

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)

ALPHA — NEW YORK CHAIN OF CUSTODY

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

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

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

Page: 2 of 2

Date Rec'd in Lab: 3/27/20

ALPHA Job #: L2013701

Project Information

Project Name: Elmwood Preserve
Project Location: Greenburgh, NY
Project #: 41.0162529.20
(Use Project name as Project #) ☐
Project Manager: Bill Maniquez
ALPHAQuote #:

Client Information

Client: GZA Geoenvironmental
Address: 104 W 29th ST 10th Floor, NY, NY, 10001
Phone: 212-594-8140
Fax:
Email: bill.maniquez@gza.com

Turn-Around Time

Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days: 5

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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	Total Metals	~~HERB-APA-WCTL-8081~~	TCL Pesticides 8081B	Herbicides 8151A	Total Arsenic 6020B	Total Lead 6020B			Sample Specific Comments	Total Bottles
13701-11	SS-28 (0-6)	3/27	12:27	S	BM			X	X	X	X				
-12	SS-28 (18-24)	3/27	12:33	↓	↓			↓	↓	↓	↓				
-13	SS-29 (0-6)	↓	10:20	↓	↓			↓	↓	↓	↓				
-14	SS-29 (18-24)	↓	10:30	↓	↓			↓	↓	↓	↓				
-15	SS-30 (0-6)	↓	12:05	↓	↓			↓	↓	↓	↓				
-16	SS-30 (18-24)	↓	12:10	↓	↓			↓	↓	↓	↓				

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

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

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

Container Type			A	A	A	A		
Preservative			A	A	A	A		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/27 14:49	RBIR AAL	3/27/20 14:49
RBIR AAL	3/27/20 15:45	PS. AAL	3/27/20 17:00
DS. AAL	3/27/20 20:30	[signature] AAL	3/27/20 2030

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)