FPM group — Engineering and Environmental Science

An Olgoonik Company

CORPORATE HEADQUARTERS
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July 6, 2021

Mr. Payson Long
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: **Remediation Report**
Liberty Industrial Finishing Site, NYSDEC #152108
500-550 Suffolk Avenue, Brentwood, NY
FPM File #1389g-21-01

Dear Payson:

FPM Group, Ltd. (FPM) has prepared this report on behalf of our client, 550 Liberty Plaza, LLC, to document soil remediation at the above-referenced property that was conducted in accordance with the February 26, 2021 Supplemental Work Plan. This work was also performed in accordance with applicable portions of the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) for the property, including the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP). The five remedial areas where soil removal was completed are shown on the attached Figure 1-Site Plan.

Soil removal, transport, and disposal were performed by Aarco Environmental Services Corp. (Aarco) with oversight, monitoring, confirmatory sampling, and reporting performed by FPM. Alpha Analytical provided all chemical analytical services.

Remediation Procedures

FPM contacted the identified NYSDEC Project Manager in advance of the work to notify of the anticipated schedule. The One-Call service was also contacted and requested to mark out utilities that may be present in the public right-of-ways adjoining the property. The remedial areas were surveyed and marked by others prior to the start of work and FPM performed a site visit with Aarco to confirm the areas of soil targeted for removal, identify the proposed soil stockpile area, and confirm the locations of the monitoring wells that needed to be protected during the work.

Aarco conducted excavation and stockpiling activities between April 28 and 30, 2021. Additional soil was removed and stockpiled on May 27, 2021; these additional removals were conducted in several areas where the initial removal was not complete, as per the initial end-point sample results discussed below. An FPM environmental professional (EP) observed Aarco's work to confirm that the targeted soil was removed to a depth of one foot below grade, as per the work plan, and to make sure that the removed soil was stored on poly sheeting in the designated stockpile area and covered by poly sheeting at the end of each workday. As Aarco excavated each marked-out area, the EP measured the excavation depth and communicated with the excavator about excavation adjustments, as needed. The EP also recorded the number of truckloads of excavated soil to estimate the removed volume and took photos of the remedial progress. A copy of the photolog documenting the remediation is included in Attachment A.

The EP also conducted dust and organic vapor monitoring during active soil excavation as per the Community Air Monitoring Plan (CAMP) included in the SMP for this site. Dust and organic vapor monitoring were conducted upwind and downwind of the work area and the local wind direction was observed onsite and confirmed from an online wind map. All CAMP monitoring results were recorded in the EP's logbook and none of the results indicated any exceedances of the action levels for corrective action in the CAMP.

Following the completion of soil removal in each area, the FPM EP collected end-point samples as per the NYSDEC-approved work plan. These samples included one sample in each of the four sidewalls and floor of each excavation, for a total of five samples per excavation. The end-point sample locations are shown on the attached Site Plan (Figure 1). The sidewall samples were collected at a depth of about 6 inches below grade and from a depth of 0 to about 3 inches within the sidewall. Floor samples were taken from the approximate center of each excavation area from a depth of 0 to about 3 inches. A white marking flag was placed beside each end-point sample location for later identification in the field, if needed. The samples were collected using dedicated disposable sampling equipment and were managed under chain of custody.

Quality assurance quality control (QA/QC) samples were also collected as per the QAPP, including one blind duplicate sample per 20 primary environmental samples and one matrix spike/matrix spike duplicate (MS/MSD) sample per 20 primary environmental samples.

Following completion of excavation, the FPM EP also collected samples from the stockpiled soil for waste characterization purposes and had the samples tested for the analytes required by the contemplated waste disposal facilities proposed by Aarco. The results of the waste characterization samples were provided to Aarco for its use in obtaining waste disposal approval.

The end-point and QA/QC samples were transported to a New York State Department of Health (NYSDOH) ELAP-certified laboratory (Alpha Analytical) and tested for NYSDEC Part 375-6 metals. The lab data were provided to FPM in Category B deliverables, together with information needed for upload to the NYSDEC's EIMS. Copies of the lab reports are included in Attachment B.

A Data Usability Summary Report (DUSR) was also prepared for each sample delivery group to evaluate data quality, as required in the SMP. Copies of the DUSRs are included in Attachment B. The DUSRs demonstrate that the laboratory data can be relied upon for their intended purpose.

Following confirmation that no further excavation was required, Aarco was directed to load the stockpiled soil into NYS-licensed waste transport trucks and transport the soil to the selected disposal facility. Soil loading, transport, and disposal are pending. Manifests will be used to track waste transport and disposal; copies of the manifests documenting the completed disposal will be provided under separate cover.

Remediation Results

The end-point sample results are summarized on Table 1 and compared to the NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for commercial use. The samples collected on April 29 and 30, 2021 were from the initial excavations and the samples from May 27, 2021 were from the additional excavations. None of the sample results from April 2021 exceeded the SCOs for commercial use for metals with the exception of cadmium in four samples (Area 1 - north and west sidewalls, Area 2 - west sidewall, and Area 3 – south sidewall). The additional samples collected from these areas following the May 27, 2021 additional excavations were tested for cadmium only and showed no exceedances of the commercial use

SCO for cadmium, with the exception of the Area 1-west sidewall sample. Based on these results, remediation was complete following the additional excavations, with the exception of one limited area.

Discussion

Based on our observations and the end-point sample results, remediation has been completed in the five areas targeted for soil removal, with the exception of one limited area. Capping of this area is proposed, as discussed below. Waste disposal documentation is pending.

The Area 1-west sidewall sample (1-SW-west on Figures 1 and 2) that exceeds the NYSDEC commercial use SCO for cadmium adjoins the capped area of the site. As the site is proposed to be redeveloped with a commercial use that will include a paved parking lot in this area, it is proposed to extend the existing capped area to address this condition, as shown in Figure 2. An initial cap of at least one foot of clean soil will be placed over the soil currently present in the cap extension area. During redevelopment, the initial soil cap would be replaced by an asphalt pavement cap unless the impacted soil is removed under the site's Excavation Work Plan and the remaining soil is documented to meet the NYSDEC commercial use SCOs. NYSDEC approval of this proposed approach is requested.

Very truly yours,

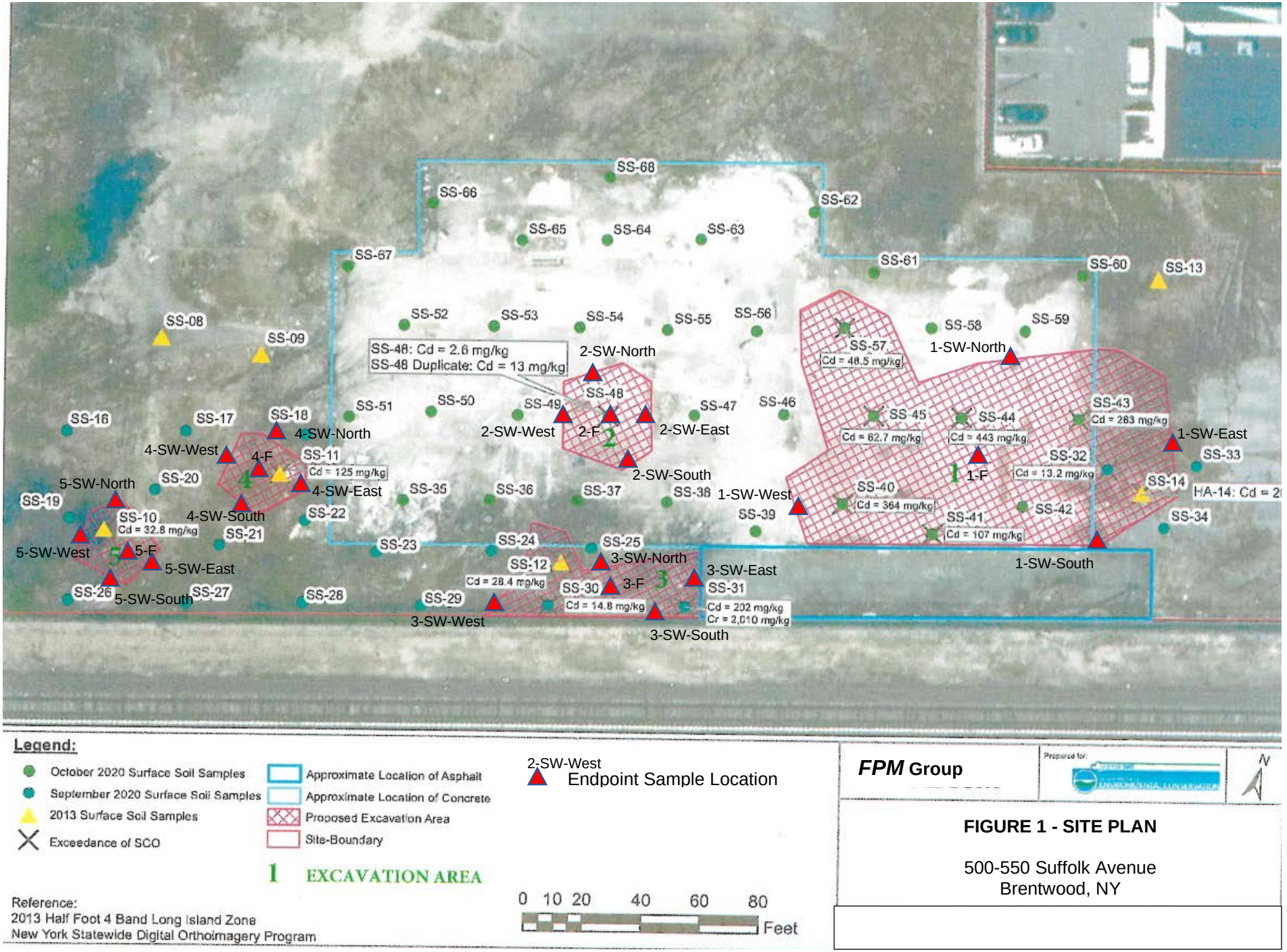
Stephanie O. Davis, P.G.

Stephanie O. Davis, PG
Senior Project Manager
Vice President

Cc: Aaron Daniels, 550 Liberty Plaza, LLC
Barry Cohen, Esq.

Attachments
SOD/sod
S:\Liberty Industrial\RemediationReportLibertyIndustrial.docx

FPM



Legend:

- October 2020 Surface Soil Samples
- September 2020 Surface Soil Samples
- 2013 Surface Soil Samples
- Exceedance of SCO
- Approximate Location of Asphalt
- Approximate Location of Concrete
- Proposed Excavation Area
- Site-Boundary
- 1 EXCAVATION AREA
- 2-SW-West Endpoint Sample Location

Reference:
2013 Half Foot 4 Band Long Island Zone
New York Statewide Digital Orthoimagery Program

0 10 20 40 60 80 Feet

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Prepared for:

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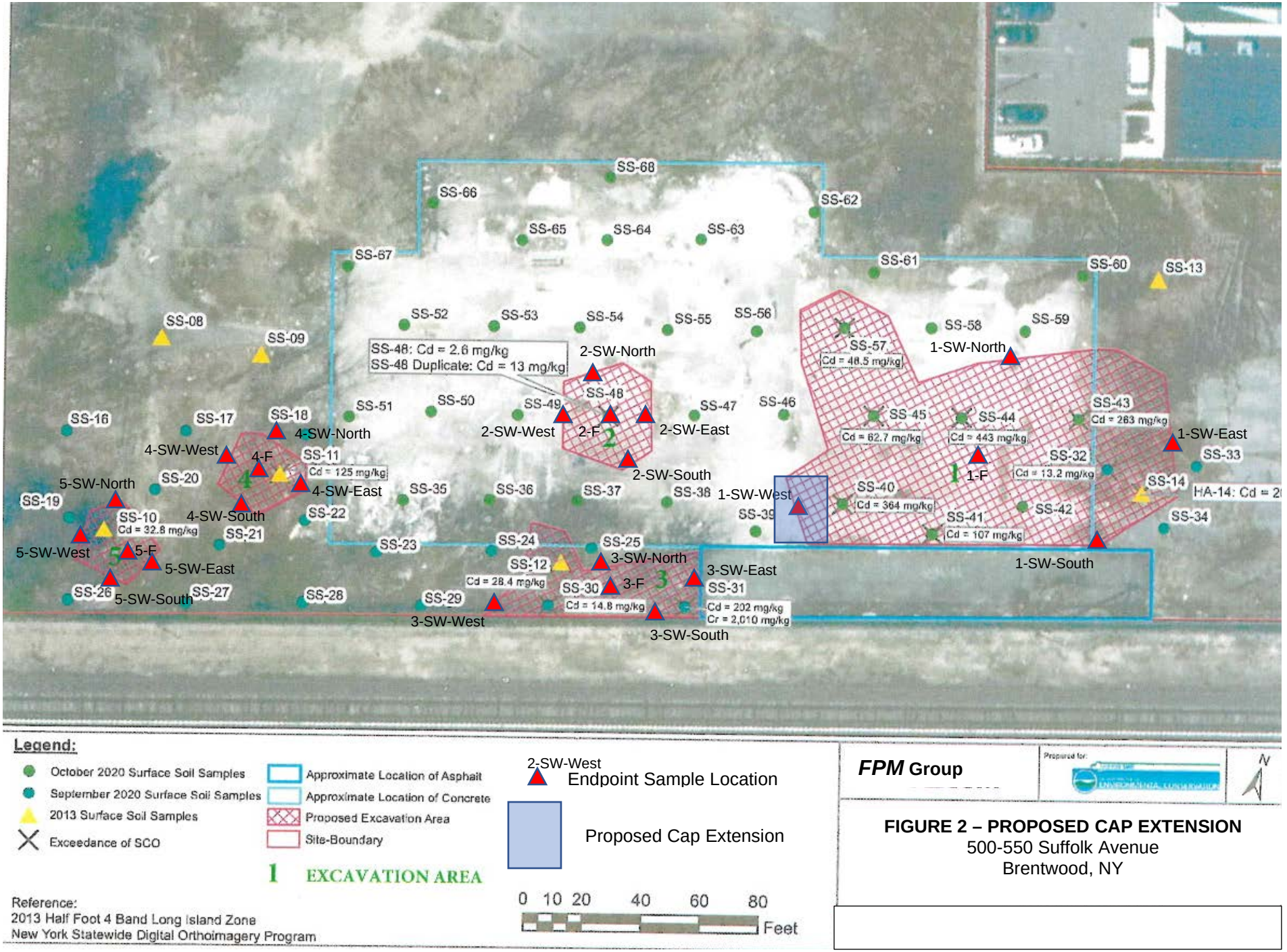
FIGURE 1 - SITE PLAN

500-550 Suffolk Avenue
Brentwood, NY



Legend:

- October 2020 Surface Soil Samples
- September 2020 Surface Soil Samples
- 2013 Surface Soil Samples
- Exceedance of SCO
- Approximate Location of Asphalt
- Approximate Location of Concrete
- Proposed Excavation Area
- Site-Boundary
- 1 EXCAVATION AREA
- 2-SW-West Endpoint Sample Location
- Proposed Cap Extension

0 10 20 40 60 80 Feet

Reference:
2013 Half Foot 4 Band Long Island Zone
New York Statewide Digital Orthoimagery Program

FPM Group

Prepared for:

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FIGURE 2 – PROPOSED CAP EXTENSION
500-550 Suffolk Avenue
Brentwood, NY

TABLE 1
SOIL CHEMICAL ANALYTICAL RESULTS FOR POST- EXCAVATION SAMPLES
500-550 SUFFOLK AVENUE, BRENTWOOD, NEW YORK

Excavation Area	1							2						3						4					5					**6 NYCRR Part 375 Commercial Use Soil Cleanup Objectives**
Sample ID	1-SW-North		1-SW-East	1-SW-South	1-SW-West		1-F	2-SW-North	2-SW-East	2-SW-South	2-SW-West		2-F	3-SW-North	3-SW-East	3-SW-South		3-SW-West	3-F	4-SW-North	4-SW-East	4-SW-South	4-SW-West	4-F	5-SW-North	5-SW-East	5-SW-South	5-SW-West	5-F	
Sample Depth* (feet)	0.5		0.5	0.5	0.5		1	0.5	0.5	0.5	0.5		1	0.5	0.5	0.5		0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	1	
Sample Date	4/29/21	5/27/21	4/29/21			5/27/21		4/29/21				5/27/21	4/29/21	4/30/21			5/27/21	4/31/21		4/29/21										
NYS Part 375 Metals in mg/kg																														
Arsenic	2.11	NA	2.58	1.68	1.44	NA	2.28	2.97	2.72	4.66	3.66	NA	3.58	1.76	3.44	3.87	NA	3.68	1.87	3.15	2.75	4.17	7.34	3.24	1.95	1.76	2.55	1.07	1.93	16
Barium	6.59	NA	10.7	7.29	5.24	NA	17.0	21.1	11.4	14.3	22.0	NA	12.4	10.2	12.4	30.5	NA	15.3	13.4	56.3	16.6	30.8	15.5	22.4	11.4	9.30	14.0	5.50	9.56	400
Beryllium	0.154 J	NA	0.201 J	0.166 J	0.085 J	NA	0.191 J	0.211 J	0.186 J	0.232	0.196 J	NA	0.183 J	0.145 J	0.178 J	0.261	NA	0.228 J	0.143 J	0.180 J	0.276	0.262 J	0.180 J	0.262	0.133 J	0.133 J	0.232	0.103 J	0.165 J	590
Cadmium	**25.9**	1.70	0.312 J	0.116 J	**32.2**	**54.8**	0.307 J	0.896	5.45	0.380 J	**14.6**	0.618	0.225 J	0.693	6.80	**9.34**	8.98	1.14	0.488	0.550	1.34	7.08	0.408 J	0.832	8.53	0.283 J	1.97	0.683	1.16	9.3
Chromium	346	NA	9.80	6.20	14.8	NA	7.40	44.5	217	10.4	683	NA	5.44	11.0	89.6	55.3	NA	12.0	8.24	10.4	12.6	237	8.78	10.3	26.0	6.81	26.3	6.65	7.74	1,500
Copper	5.27	NA	1.34	0.614	4.14	NA	3.68	5.10	6.08	4.43	9.86	NA	5.51	3.65	18.6	63.1	NA	5.73	3.54	17.0	4.77	23.6	7.16	6.49	37.9	3.94	14.1	3.79	5.37	270
Lead	6.32	NA	5.99	8.98	4.34	NA	47.3	19.9	12.4	18.4	20.3	NA	22.7	7.86	17.8	37.8	NA	14.0	7.68	68.2	9.79	59.9	15.9	16.4	19.0	6.00	21.2	5.00	8.92	1,000
Manganese	29.0	NA	23.4	15.2	23.1	NA	21.6	49.8	57.8	57.6	324	NA	65.2	38.5	118	63.9	NA	44.7	39.0	101	78.0	95.6	96.6	66.3	46.4	59.5	70.3	39.6	67.0	10,000
Mercury	ND	NA	ND	ND	ND	NA	0.098	0.059 J	ND	ND	0.059 J	NA	ND	ND	ND	0.069 J	NA	ND	ND	0.112	ND	ND	0.092	ND	ND	ND	ND	ND	ND	2.8
Nickel	6.09	NA	3.02	1.90	4.47	NA	2.88	3.82	5.14	3.26	64.0	NA	1.60	2.61	8.89	12.0	NA	4.06	2.65	6.27	4.75	10.6	2.10	4.50	10.8	2.29	7.02	2.14	3.09	310
Selenium	0.133 J	NA	0.128 J	0.158 J	0.306 J	NA	0.187 J	0.166 J	0.129 J	0.371 J	0.494 J	NA	0.484 J	0.307 J	0.388 J	0.470 J	NA	0.651 J	0.215 J	0.258 J	ND	0.694 J	0.486 J	0.181 J	0.128 J	0.221 J	0.373 J	0.198 J	0.128 J	1,500
Silver	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	0.367 J	0.286 J	NA	ND	ND	ND	ND	ND	ND	ND	0.261 J	ND	ND	ND	ND	1,500
Zinc	11.6	NA	9.42	7.53	6.64	NA	28.4	24.0	18.5	15.9	109	NA	11.9	13.2	36.0	318	NA	42.6	12.9	84.4	32.1	114	19.4	26.0	20.1	15.0	45.2	13.6	17.0	10,000

Notes:

ND = Not Detected

mg/kg = milligrams per kilogram

* - Relative to pre-excavation grade.

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ATTACHMENT A

PHOTOLOG

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Photo 1: General view of the site. View is towards the east.

Photo 2: Excavation Area 1 prior to excavation.

Photo 3: Excavation Area 2 prior to excavation.

Photo 4: Excavation Area 3 prior to excavation.

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Photo 5: Excavation Area 4 prior to excavation.

Photo 6: Excavation Area 5 prior to excavation.

Photo 7: Excavation process in Area 1 with excavator.

Photo 8: Excavation process with Bobcat compact track loader.

Photo 9: South side of Area 1, which adjoins a concrete-paved area.

Photo 10: Area 1 fully excavated.

Photo 11: Area 2 fully excavated

Photo 12: Area 3 prior to excavation and after breaking concrete.

Photo 13: Broken concrete in Area 3.

Photo 14: A concrete foundation remains within Area 3.

Photo 15: Area 3 fully excavated

Photo 16: Area 4 fully excavated.

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Photo 17: Area 5 fully excavated.

Photo 18: Concrete pile next to Areas 1 and 3.

Photo 19: Stockpiled excvated soil under poly sheeting.

Photo 20: White flag used for marking end-point sample locations.

ATTACHMENT B

LABORATORY REPORTS
DATA USABILITY SUMMARY REPORTS

FPM

ANALYTICAL REPORT

Lab Number:	L2122701
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLAZA-P1
Project Number:	1389G-21-01
Report Date:	05/18/21

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

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

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2122701-01	1-SW-NORTH	SOIL	BRENTWOOD, NY	04/29/21 13:17	05/03/21
L2122701-02	1-SW-EAST	SOIL	BRENTWOOD, NY	04/29/21 13:24	05/03/21
L2122701-03	1-SW-SOUTH	SOIL	BRENTWOOD, NY	04/29/21 13:36	05/03/21
L2122701-04	1-SW-WEST	SOIL	BRENTWOOD, NY	04/29/21 13:43	05/03/21
L2122701-05	1-F	SOIL	BRENTWOOD, NY	04/29/21 13:58	05/03/21
L2122701-06	2-SW-NORTH	SOIL	BRENTWOOD, NY	04/29/21 14:40	05/03/21
L2122701-07	2-SW-EAST	SOIL	BRENTWOOD, NY	04/29/21 14:57	05/03/21
L2122701-08	2-SW-SOUTH	SOIL	BRENTWOOD, NY	04/29/21 15:02	05/03/21
L2122701-09	2-SW-WEST	SOIL	BRENTWOOD, NY	04/29/21 15:08	05/03/21
L2122701-10	2-F	SOIL	BRENTWOOD, NY	04/29/21 15:12	05/03/21
L2122701-11	4-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 08:30	05/03/21
L2122701-12	4-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 08:42	05/03/21
L2122701-13	4-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 09:00	05/03/21
L2122701-14	4-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 09:15	05/03/21
L2122701-15	4F	SOIL	BRENTWOOD, NY	04/30/21 09:47	05/03/21
L2122701-16	5-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 13:20	05/03/21
L2122701-17	5-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 13:30	05/03/21
L2122701-18	5-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 13:40	05/03/21
L2122701-19	5-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 13:45	05/03/21
L2122701-20	5F	SOIL	BRENTWOOD, NY	04/30/21 14:05	05/03/21
L2122701-21	55-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:00	05/03/21

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Case Narrative

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

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

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

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

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

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

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701
Project Number: 1389G-21-01 **Report Date:** 05/18/21

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.

Sample Receipt

L2122701-04: The collection date and time on the chain of custody was 29-APR-21 13:43; however, the collection date/time on the container label was 29-APR-21 13:36. At the client's request, the collection date/time is reported as 29-APR-21 13:43.

Total Metals

The WG1497422-4 MSD recovery, performed on L2122701-14, is outside the acceptance criteria for manganese (147%). A post digestion spike was performed and yielded unacceptable recoveries for manganese (71%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1497425-4 MSD recovery, performed on L2122701-14, is outside the acceptance criteria for mercury (129%). A post digestion spike was performed and was within acceptance criteria.

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: Jennifer L Clements

Title: Technical Director/Representative Date: 05/18/21

METALS

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-01 Date Collected: 04/29/21 13:17

Client ID: 1-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.11		mg/kg	0.416	0.087	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Barium, Total	6.59		mg/kg	0.416	0.072	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Beryllium, Total	0.154	J	mg/kg	0.208	0.014	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Cadmium, Total	25.9		mg/kg	0.416	0.041	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Chromium, Total	346		mg/kg	0.416	0.040	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Copper, Total	5.27		mg/kg	0.416	0.107	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Lead, Total	6.32		mg/kg	2.08	0.112	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Manganese, Total	29.0		mg/kg	0.416	0.066	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.078	0.051	1	05/11/21 23:10	05/15/21 13:42	EPA 7471B	1,7471B	OU
Nickel, Total	6.09		mg/kg	1.04	0.101	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Selenium, Total	0.133	J	mg/kg	0.833	0.107	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.416	0.118	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV
Zinc, Total	11.6		mg/kg	2.08	0.122	1	05/11/21 22:35	05/18/21 00:46	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-02 Date Collected: 04/29/21 13:24

Client ID: 1-SW-EAST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.58		mg/kg	0.427	0.089	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Barium, Total	10.7		mg/kg	0.427	0.074	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Beryllium, Total	0.201	J	mg/kg	0.214	0.014	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Cadmium, Total	0.312	J	mg/kg	0.427	0.042	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Chromium, Total	9.80		mg/kg	0.427	0.041	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Copper, Total	1.34		mg/kg	0.427	0.110	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Lead, Total	5.99		mg/kg	2.14	0.114	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Manganese, Total	23.4		mg/kg	0.427	0.068	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	05/11/21 23:10	05/15/21 13:46	EPA 7471B	1,7471B	OU
Nickel, Total	3.02		mg/kg	1.07	0.103	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Selenium, Total	0.128	J	mg/kg	0.855	0.110	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.427	0.121	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV
Zinc, Total	9.42		mg/kg	2.14	0.125	1	05/11/21 22:35	05/18/21 00:50	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-03 Date Collected: 04/29/21 13:36

Client ID: 1-SW-SOUTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.68		mg/kg	0.414	0.086	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Barium, Total	7.29		mg/kg	0.414	0.072	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Beryllium, Total	0.166	J	mg/kg	0.207	0.014	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Cadmium, Total	0.116	J	mg/kg	0.414	0.041	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Chromium, Total	6.20		mg/kg	0.414	0.040	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Copper, Total	0.614		mg/kg	0.414	0.107	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Lead, Total	8.98		mg/kg	2.07	0.111	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Manganese, Total	15.2		mg/kg	0.414	0.066	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.049	1	05/11/21 23:10	05/15/21 13:56	EPA 7471B	1,7471B	OU
Nickel, Total	1.90		mg/kg	1.04	0.100	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Selenium, Total	0.158	J	mg/kg	0.829	0.107	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.414	0.117	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV
Zinc, Total	7.53		mg/kg	2.07	0.121	1	05/11/21 22:35	05/18/21 00:55	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-04 Date Collected: 04/29/21 13:43

Client ID: 1-SW-WEST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.44		mg/kg	0.425	0.088	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Barium, Total	5.24		mg/kg	0.425	0.074	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Beryllium, Total	0.085	J	mg/kg	0.213	0.014	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Cadmium, Total	32.2		mg/kg	0.425	0.042	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Chromium, Total	14.8		mg/kg	0.425	0.041	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Copper, Total	4.14		mg/kg	0.425	0.110	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Lead, Total	4.34		mg/kg	2.13	0.114	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Manganese, Total	23.1		mg/kg	0.425	0.068	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.074	0.048	1	05/11/21 23:10	05/15/21 13:59	EPA 7471B	1,7471B	OU
Nickel, Total	4.47		mg/kg	1.06	0.103	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Selenium, Total	0.306	J	mg/kg	0.850	0.110	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.425	0.120	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV
Zinc, Total	6.64		mg/kg	2.13	0.124	1	05/11/21 22:35	05/18/21 01:44	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-05 Date Collected: 04/29/21 13:58

Client ID: 1-F Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.28		mg/kg	0.445	0.093	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Barium, Total	17.0		mg/kg	0.445	0.077	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Beryllium, Total	0.191	J	mg/kg	0.222	0.015	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Cadmium, Total	0.307	J	mg/kg	0.445	0.044	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Chromium, Total	7.40		mg/kg	0.445	0.043	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Copper, Total	3.68		mg/kg	0.445	0.115	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Lead, Total	47.3		mg/kg	2.22	0.119	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Manganese, Total	21.6		mg/kg	0.445	0.071	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Mercury, Total	0.098		mg/kg	0.077	0.050	1	05/11/21 23:10	05/15/21 14:02	EPA 7471B	1,7471B	OU
Nickel, Total	2.88		mg/kg	1.11	0.108	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Selenium, Total	0.187	J	mg/kg	0.889	0.115	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.445	0.126	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV
Zinc, Total	28.4		mg/kg	2.22	0.130	1	05/11/21 22:35	05/18/21 01:49	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-06 Date Collected: 04/29/21 14:40

Client ID: 2-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.97		mg/kg	0.431	0.090	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Barium, Total	21.1		mg/kg	0.431	0.075	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Beryllium, Total	0.211	J	mg/kg	0.215	0.014	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Cadmium, Total	0.896		mg/kg	0.431	0.042	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Chromium, Total	44.5		mg/kg	0.431	0.041	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Copper, Total	5.10		mg/kg	0.431	0.111	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Lead, Total	19.9		mg/kg	2.15	0.115	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Manganese, Total	49.8		mg/kg	0.431	0.069	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Mercury, Total	0.059	J	mg/kg	0.079	0.051	1	05/11/21 23:10	05/15/21 14:06	EPA 7471B	1,7471B	OU
Nickel, Total	3.82		mg/kg	1.08	0.104	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Selenium, Total	0.116	J	mg/kg	0.861	0.111	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.431	0.122	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV
Zinc, Total	24.0		mg/kg	2.15	0.126	1	05/11/21 22:35	05/18/21 01:53	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-07 Date Collected: 04/29/21 14:57

Client ID: 2-SW-EAST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.72		mg/kg	0.444	0.092	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Barium, Total	11.4		mg/kg	0.444	0.077	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Beryllium, Total	0.186	J	mg/kg	0.222	0.015	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Cadmium, Total	5.45		mg/kg	0.444	0.044	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Chromium, Total	217		mg/kg	0.444	0.043	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Copper, Total	6.08		mg/kg	0.444	0.114	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Lead, Total	12.4		mg/kg	2.22	0.119	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Manganese, Total	57.8		mg/kg	0.444	0.071	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.049	1	05/11/21 23:10	05/15/21 14:09	EPA 7471B	1,7471B	OU
Nickel, Total	5.14		mg/kg	1.11	0.107	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Selenium, Total	0.129	J	mg/kg	0.888	0.114	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.444	0.126	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV
Zinc, Total	18.5		mg/kg	2.22	0.130	1	05/11/21 22:35	05/18/21 02:08	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-08 Date Collected: 04/29/21 15:02

Client ID: 2-SW-SOUTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	4.66		mg/kg	0.447	0.093	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Barium, Total	14.3		mg/kg	0.447	0.078	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Beryllium, Total	0.232		mg/kg	0.223	0.015	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.380	J	mg/kg	0.447	0.044	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Chromium, Total	10.4		mg/kg	0.447	0.043	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Copper, Total	4.43		mg/kg	0.447	0.115	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Lead, Total	18.4		mg/kg	2.23	0.120	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Manganese, Total	57.6		mg/kg	0.447	0.071	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.074	0.048	1	05/11/21 23:10	05/15/21 14:12	EPA 7471B	1,7471B	OU
Nickel, Total	3.26		mg/kg	1.12	0.108	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Selenium, Total	0.371	J	mg/kg	0.894	0.115	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.447	0.126	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV
Zinc, Total	15.9		mg/kg	2.23	0.131	1	05/11/21 22:35	05/18/21 02:12	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-09 Date Collected: 04/29/21 15:08

Client ID: 2-SW-WEST Date Received: 05/03/21

Sample Location: BRENTWOOD, 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	3.66		mg/kg	0.479	0.100	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Barium, Total	22.0		mg/kg	0.479	0.083	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Beryllium, Total	0.196	J	mg/kg	0.240	0.016	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Cadmium, Total	14.6		mg/kg	0.479	0.047	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Chromium, Total	683		mg/kg	0.479	0.046	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Copper, Total	9.86		mg/kg	0.479	0.124	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Lead, Total	20.3		mg/kg	2.40	0.128	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Manganese, Total	324		mg/kg	0.479	0.076	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Mercury, Total	0.059	J	mg/kg	0.077	0.050	1	05/11/21 23:10	05/15/21 14:16	EPA 7471B	1,7471B	OU
Nickel, Total	64.0		mg/kg	1.20	0.116	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Selenium, Total	0.494	J	mg/kg	0.958	0.124	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.479	0.136	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV
Zinc, Total	109		mg/kg	2.40	0.140	1	05/11/21 22:35	05/18/21 02:17	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-10 Date Collected: 04/29/21 15:12

Client ID: 2-F Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.58		mg/kg	0.425	0.088	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Barium, Total	12.4		mg/kg	0.425	0.074	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Beryllium, Total	0.183	J	mg/kg	0.212	0.014	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Cadmium, Total	0.225	J	mg/kg	0.425	0.042	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Chromium, Total	5.44		mg/kg	0.425	0.041	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Copper, Total	5.51		mg/kg	0.425	0.110	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Lead, Total	22.7		mg/kg	2.12	0.114	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Manganese, Total	65.2		mg/kg	0.425	0.068	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.075	0.049	1	05/11/21 23:10	05/15/21 14:19	EPA 7471B	1,7471B	OU
Nickel, Total	1.60		mg/kg	1.06	0.103	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Selenium, Total	0.484	J	mg/kg	0.850	0.110	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.425	0.120	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV
Zinc, Total	11.9		mg/kg	2.12	0.124	1	05/11/21 22:35	05/18/21 02:22	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-11 Date Collected: 04/30/21 08:30

Client ID: 4-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.15		mg/kg	0.462	0.096	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Barium, Total	56.3		mg/kg	0.462	0.080	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Beryllium, Total	0.180	J	mg/kg	0.231	0.015	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Cadmium, Total	0.550		mg/kg	0.462	0.045	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Chromium, Total	10.4		mg/kg	0.462	0.044	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Copper, Total	17.0		mg/kg	0.462	0.119	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Lead, Total	68.2		mg/kg	2.31	0.124	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Manganese, Total	101		mg/kg	0.462	0.073	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Mercury, Total	0.112		mg/kg	0.081	0.053	1	05/11/21 23:10	05/15/21 14:22	EPA 7471B	1,7471B	OU
Nickel, Total	6.27		mg/kg	1.15	0.112	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Selenium, Total	0.258	J	mg/kg	0.924	0.119	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.462	0.131	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV
Zinc, Total	84.4		mg/kg	2.31	0.135	1	05/11/21 22:35	05/18/21 02:27	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-12 Date Collected: 04/30/21 08:42

Client ID: 4-SW-EAST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	2.75		mg/kg	0.431	0.090	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Barium, Total	16.6		mg/kg	0.431	0.075	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Beryllium, Total	0.276		mg/kg	0.215	0.014	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Cadmium, Total	1.34		mg/kg	0.431	0.042	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Chromium, Total	12.6		mg/kg	0.431	0.041	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Copper, Total	4.77		mg/kg	0.431	0.111	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Lead, Total	9.79		mg/kg	2.15	0.115	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Manganese, Total	78.0		mg/kg	0.431	0.069	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.077	0.050	1	05/11/21 23:10	05/15/21 14:25	EPA 7471B	1,7471B	OU
Nickel, Total	4.75		mg/kg	1.08	0.104	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	0.862	0.111	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.431	0.122	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV
Zinc, Total	32.1		mg/kg	2.15	0.126	1	05/11/21 22:35	05/18/21 02:31	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-13 Date Collected: 04/30/21 09:00

Client ID: 4-SW-SOUTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 61%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.17		mg/kg	0.625	0.130	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Barium, Total	30.8		mg/kg	0.625	0.109	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Beryllium, Total	0.262	J	mg/kg	0.312	0.021	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Cadmium, Total	7.08		mg/kg	0.625	0.061	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Chromium, Total	237		mg/kg	0.625	0.060	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Copper, Total	23.6		mg/kg	0.625	0.161	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Lead, Total	59.9		mg/kg	3.12	0.167	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Manganese, Total	95.6		mg/kg	0.625	0.099	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.120	0.078	1	05/11/21 23:10	05/15/21 14:35	EPA 7471B	1,7471B	OU
Nickel, Total	10.6		mg/kg	1.56	0.151	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Selenium, Total	0.694	J	mg/kg	1.25	0.161	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.625	0.177	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV
Zinc, Total	114		mg/kg	3.12	0.183	1	05/11/21 22:35	05/18/21 02:36	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-14 Date Collected: 04/30/21 09:15

Client ID: 4-SW-WEST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	7.34		mg/kg	0.486	0.101	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Barium, Total	15.5		mg/kg	0.486	0.085	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Beryllium, Total	0.180	J	mg/kg	0.243	0.016	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Cadmium, Total	0.408	J	mg/kg	0.486	0.048	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Chromium, Total	8.78		mg/kg	0.486	0.047	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Copper, Total	7.16		mg/kg	0.486	0.125	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Lead, Total	15.9		mg/kg	2.43	0.130	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Manganese, Total	96.6		mg/kg	0.486	0.077	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Mercury, Total	0.092		mg/kg	0.083	0.054	1	05/11/21 23:10	05/15/21 13:29	EPA 7471B	1,7471B	OU
Nickel, Total	2.10		mg/kg	1.21	0.118	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Selenium, Total	0.486	J	mg/kg	0.972	0.125	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.486	0.137	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV
Zinc, Total	19.4		mg/kg	2.43	0.142	1	05/11/21 22:35	05/18/21 01:19	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-15 Date Collected: 04/30/21 09:47

Client ID: 4F Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.24		mg/kg	0.452	0.094	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Barium, Total	22.4		mg/kg	0.452	0.079	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Beryllium, Total	0.262		mg/kg	0.226	0.015	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Cadmium, Total	0.832		mg/kg	0.452	0.044	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Chromium, Total	10.3		mg/kg	0.452	0.043	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Copper, Total	6.49		mg/kg	0.452	0.116	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Lead, Total	16.4		mg/kg	2.26	0.121	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Manganese, Total	66.3		mg/kg	0.452	0.072	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.078	0.051	1	05/11/21 23:10	05/15/21 14:39	EPA 7471B	1,7471B	OU
Nickel, Total	4.50		mg/kg	1.13	0.109	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Selenium, Total	0.181	J	mg/kg	0.904	0.116	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.452	0.128	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV
Zinc, Total	26.0		mg/kg	2.26	0.132	1	05/11/21 22:35	05/18/21 02:41	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-16 Date Collected: 04/30/21 13:20

Client ID: 5-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.95		mg/kg	0.443	0.092	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Barium, Total	11.4		mg/kg	0.443	0.077	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Beryllium, Total	0.133	J	mg/kg	0.221	0.015	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Cadmium, Total	8.53		mg/kg	0.443	0.043	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Chromium, Total	26.0		mg/kg	0.443	0.043	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Copper, Total	37.9		mg/kg	0.443	0.114	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Lead, Total	19.0		mg/kg	2.21	0.119	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Manganese, Total	46.4		mg/kg	0.443	0.070	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.048	1	05/11/21 23:10	05/15/21 14:42	EPA 7471B	1,7471B	OU
Nickel, Total	10.8		mg/kg	1.11	0.107	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Selenium, Total	0.128	J	mg/kg	0.886	0.114	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Silver, Total	0.261	J	mg/kg	0.443	0.125	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV
Zinc, Total	20.1		mg/kg	2.21	0.130	1	05/11/21 22:35	05/18/21 02:46	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-17 Date Collected: 04/30/21 13:30

Client ID: 5-SW-EAST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.76		mg/kg	0.442	0.092	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Barium, Total	9.30		mg/kg	0.442	0.077	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Beryllium, Total	0.133	J	mg/kg	0.221	0.015	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Cadmium, Total	0.283	J	mg/kg	0.442	0.043	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Chromium, Total	6.81		mg/kg	0.442	0.043	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Copper, Total	3.94		mg/kg	0.442	0.114	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Lead, Total	6.00		mg/kg	2.21	0.118	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Manganese, Total	59.5		mg/kg	0.442	0.070	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.085	0.055	1	05/11/21 23:10	05/15/21 14:45	EPA 7471B	1,7471B	OU
Nickel, Total	2.29		mg/kg	1.11	0.107	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Selenium, Total	0.221	J	mg/kg	0.885	0.114	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.442	0.125	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV
Zinc, Total	15.0		mg/kg	2.21	0.130	1	05/11/21 22:35	05/18/21 02:50	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-18 Date Collected: 04/30/21 13:40

Client ID: 5-SW-SOUTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	2.55		mg/kg	0.455	0.095	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Barium, Total	14.0		mg/kg	0.455	0.079	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Beryllium, Total	0.232		mg/kg	0.228	0.015	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Cadmium, Total	1.97		mg/kg	0.455	0.045	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Chromium, Total	26.3		mg/kg	0.455	0.044	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Copper, Total	14.1		mg/kg	0.455	0.117	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Lead, Total	21.2		mg/kg	2.28	0.122	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Manganese, Total	70.3		mg/kg	0.455	0.072	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.072	0.047	1	05/11/21 23:10	05/15/21 14:49	EPA 7471B	1,7471B	OU
Nickel, Total	7.02		mg/kg	1.14	0.110	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Selenium, Total	0.373	J	mg/kg	0.910	0.117	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.455	0.129	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV
Zinc, Total	45.2		mg/kg	2.28	0.133	1	05/11/21 22:35	05/18/21 03:05	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-19 Date Collected: 04/30/21 13:45

Client ID: 5-SW-WEST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.07		mg/kg	0.430	0.089	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Barium, Total	5.50		mg/kg	0.430	0.075	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Beryllium, Total	0.103	J	mg/kg	0.215	0.014	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Cadmium, Total	0.683		mg/kg	0.430	0.042	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Chromium, Total	6.65		mg/kg	0.430	0.041	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Copper, Total	3.79		mg/kg	0.430	0.111	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Lead, Total	5.00		mg/kg	2.15	0.115	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Manganese, Total	39.6		mg/kg	0.430	0.068	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.050	1	05/11/21 23:10	05/15/21 14:52	EPA 7471B	1,7471B	OU
Nickel, Total	2.14		mg/kg	1.07	0.104	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Selenium, Total	0.198	J	mg/kg	0.859	0.111	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.430	0.122	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV
Zinc, Total	13.6		mg/kg	2.15	0.126	1	05/11/21 22:35	05/18/21 03:10	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-20 Date Collected: 04/30/21 14:05

Client ID: 5F Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	1.93		mg/kg	0.458	0.095	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Barium, Total	9.56		mg/kg	0.458	0.080	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Beryllium, Total	0.165	J	mg/kg	0.229	0.015	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Cadmium, Total	1.16		mg/kg	0.458	0.045	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Chromium, Total	7.74		mg/kg	0.458	0.044	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Copper, Total	5.37		mg/kg	0.458	0.118	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Lead, Total	8.92		mg/kg	2.29	0.123	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Manganese, Total	67.0		mg/kg	0.458	0.073	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.077	0.050	1	05/11/21 23:10	05/15/21 14:55	EPA 7471B	1,7471B	OU
Nickel, Total	3.09		mg/kg	1.14	0.111	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Selenium, Total	0.128	J	mg/kg	0.916	0.118	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.458	0.130	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV
Zinc, Total	17.0		mg/kg	2.29	0.134	1	05/11/21 22:35	05/18/21 03:14	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-21 Date Collected: 04/30/21 14:00

Client ID: 55-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.06		mg/kg	0.449	0.093	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Barium, Total	11.8		mg/kg	0.449	0.078	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Beryllium, Total	0.152	J	mg/kg	0.224	0.015	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Cadmium, Total	10.4		mg/kg	0.449	0.044	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Chromium, Total	31.0		mg/kg	0.449	0.043	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Copper, Total	41.2		mg/kg	0.449	0.116	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Lead, Total	18.4		mg/kg	2.24	0.120	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Manganese, Total	43.9		mg/kg	0.449	0.071	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.086	0.056	1	05/12/21 16:10	05/15/21 15:58	EPA 7471B	1,7471B	OU
Nickel, Total	11.9		mg/kg	1.12	0.108	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Selenium, Total	0.417	J	mg/kg	0.897	0.116	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Silver, Total	0.193	J	mg/kg	0.449	0.127	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV
Zinc, Total	21.6		mg/kg	2.24	0.131	1	05/12/21 15:52	05/18/21 02:09	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1497422-1										
Arsenic, Total	0.088	J	mg/kg	0.400	0.083	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1497425-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/11/21 23:10	05/15/21 13:23	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 21 Batch: WG1497428-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

Method Blank Analysis
Batch Quality Control

Chromium, Total	ND	mg/kg	0.400	0.038	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Copper, Total	ND	mg/kg	0.400	0.103	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Lead, Total	ND	mg/kg	2.00	0.107	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Manganese, Total	ND	mg/kg	0.400	0.064	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Nickel, Total	ND	mg/kg	1.00	0.097	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Selenium, Total	ND	mg/kg	0.800	0.103	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Silver, Total	ND	mg/kg	0.400	0.113	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Zinc, Total	ND	mg/kg	2.00	0.117	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 21 Batch: WG1497430-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/12/21 16:10	05/15/21 14:59	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1

Project Number: 1389G-21-01

Lab Number: L2122701

Report Date: 05/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1497422-2 SRM Lot Number: D109-540								
Arsenic, Total	86		-		70-130	-		
Barium, Total	83		-		75-125	-		
Beryllium, Total	89		-		75-125	-		
Cadmium, Total	90		-		75-125	-		
Chromium, Total	82		-		70-130	-		
Copper, Total	80		-		75-125	-		
Lead, Total	81		-		72-128	-		
Manganese, Total	81		-		74-126	-		
Nickel, Total	87		-		70-130	-		
Selenium, Total	93		-		68-132	-		
Silver, Total	82		-		68-131	-		
Zinc, Total	82		-		70-130	-		
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1497425-2 SRM Lot Number: D109-540								
Mercury, Total	114		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1

Project Number: 1389G-21-01

Lab Number: L2122701

Report Date: 05/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21 Batch: WG1497428-2 SRM Lot Number: D109-540					
Arsenic, Total	96	-	70-130	-	
Barium, Total	91	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	104	-	75-125	-	
Chromium, Total	97	-	70-130	-	
Copper, Total	92	-	75-125	-	
Lead, Total	89	-	72-128	-	
Manganese, Total	97	-	74-126	-	
Nickel, Total	102	-	70-130	-	
Selenium, Total	98	-	68-132	-	
Silver, Total	91	-	68-131	-	
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 21 Batch: WG1497430-2 SRM Lot Number: D109-540					
Mercury, Total	107	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1497422-3 WG1497422-4 QC Sample: L2122701-14 Client ID: 4-SW-WEST												
Arsenic, Total	7.34	11.6	19.5	104		21.1	116		75-125	8		20
Barium, Total	15.5	194	196	93		195	91		75-125	1		20
Beryllium, Total	0.180J	4.85	4.78	98		4.74	96		75-125	1		20
Cadmium, Total	0.408J	4.95	4.72	95		4.70	94		75-125	0		20
Chromium, Total	8.78	19.4	26.0	89		27.0	92		75-125	4		20
Copper, Total	7.16	24.2	30.9	98		30.4	94		75-125	2		20
Lead, Total	15.9	49.5	62.3	94		57.6	83		75-125	8		20
Manganese, Total	96.6	48.5	143	96		169	**147**	Q	75-125	17		20
Nickel, Total	2.10	48.5	41.9	82		41.0	79		75-125	2		20
Selenium, Total	0.486J	11.6	11.4	98		11.5	97		75-125	1		20
Silver, Total	ND	29.1	29.4	101		29.2	99		75-125	1		20
Zinc, Total	19.4	48.5	66.0	96		66.8	96		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1497425-3 WG1497425-4 QC Sample: L2122701-14 Client ID: 4-SW-WEST												
Mercury, Total	0.092	0.172	0.281	110		0.310	**129**	Q	80-120	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21 QC Batch ID: WG1497428-3 WG1497428-4 QC Sample: L2122699-03 Client ID: MS Sample												
Arsenic, Total	3.87	10.4	13.8	95		14.2	102		75-125	3		20
Barium, Total	30.5	173	190	92		194	97		75-125	2		20
Beryllium, Total	0.261	4.34	4.31	93		4.27	96		75-125	1		20
Cadmium, Total	9.34	4.42	11.8	**56**	Q	15.8	**151**	Q	75-125	**29**	Q	20
Chromium, Total	55.3	17.3	67.0	**67**	Q	79.4	**144**	Q	75-125	17		20
Copper, Total	63.1	21.7	68.6	**25**	Q	100	**176**	Q	75-125	**37**	Q	20
Lead, Total	37.8	44.2	71.4	76		94.6	**133**	Q	75-125	**28**	Q	20
Manganese, Total	63.9	43.4	89.1	**58**	Q	109	108		75-125	20		20
Nickel, Total	12.0	43.4	47.6	82		48.4	87		75-125	2		20
Selenium, Total	0.470J	10.4	10.6	102		10.3	102		75-125	3		20
Silver, Total	0.286J	26	25.3	97		24.2	96		75-125	4		20
Zinc, Total	318	43.4	288	**0**	Q	438	**286**	Q	75-125	**41**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 21 QC Batch ID: WG1497430-3 WG1497430-4 QC Sample: L2122699-03 Client ID: MS Sample												
Mercury, Total	0.069J	0.176	0.267	**152**	Q	0.227	**164**	Q	80-120	16		20

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2122701
Report Date: 05/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1497422-6 QC Sample: L2122701-14 Client ID: 4-SW-WEST						
Barium, Total	15.5	16.2	mg/kg	5		20
Manganese, Total	96.6	104	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 21 QC Batch ID: WG1497428-6 QC Sample: L2122699-03 Client ID: DUP Sample						
Barium, Total	30.5	31.7	mg/kg	4		20
Chromium, Total	55.3	59.0	mg/kg	7		20
Copper, Total	63.1	66.0	mg/kg	5		20
Manganese, Total	63.9	70.3	mg/kg	10		20
Zinc, Total	318	342	mg/kg	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-01
Client ID: 1-SW-NORTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/29/21 13:17
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-02
Client ID: 1-SW-EAST
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/29/21 13:24
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-03
Client ID: 1-SW-SOUTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/29/21 13:36
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-04
Client ID: 1-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 04/29/21 13:43
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-05
Client ID: 1-F
Sample Location: BRENTWOOD, NY

Sample Depth:
Matrix: Soil

Date Collected: 04/29/21 13:58
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-06
Client ID: 2-SW-NORTH
Sample Location: BRENTWOOD, NY

Date Collected: 04/29/21 14:40
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-07
Client ID: 2-SW-EAST
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/29/21 14:57
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-08
Client ID: 2-SW-SOUTH
Sample Location: BRENTWOOD, NY

Date Collected: 04/29/21 15:02
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-09
Client ID: 2-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 04/29/21 15:08
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-10
Client ID: 2-F
Sample Location: BRENTWOOD, NY

Sample Depth:
Matrix: Soil

Date Collected: 04/29/21 15:12
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-11
Client ID: 4-SW-NORTH
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 08:30
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-12
Client ID: 4-SW-EAST
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 08:42
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-13
Client ID: 4-SW-SOUTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.7		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-14
Client ID: 4-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 09:15
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-15
Client ID: 4F
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 09:47
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-16
Client ID: 5-SW-NORTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/30/21 13:20
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01
Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-17
Client ID: 5-SW-EAST
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/30/21 13:30
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-18
Client ID: 5-SW-SOUTH
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 13:40
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-19
Client ID: 5-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 13:45
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-20
Client ID: 5F
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 14:05
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	05/05/21 08:13	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122701-21
Client ID: 55-SW-NORTH
Sample Location: BRENTWOOD, NY

Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 14:00
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	05/05/21 08:29	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1

Project Number: 1389G-21-01

Lab Number: L2122701

Report Date: 05/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1494558-1 QC Sample: L2122701-14 Client ID: 4-SW-WEST						
Solids, Total	79.1	77.6	%	2		20

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122701-01A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-01B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-01C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-01D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-02A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-02B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-02C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-02D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-03A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-03B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-03C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-03D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-04A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-04B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-04C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-04D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122701-05A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-05B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-05C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-05D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-06A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-06B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-06C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-06D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-07A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-07B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-07C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-07D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-08A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-08B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-08C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-08D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-09A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-09B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-09C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-09D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-10A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122701-10B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-10C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-10D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-11A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-11B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-11C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-11D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-12A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-12B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-12C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-12D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-13A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-13B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-13C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-13D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-14A1	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-14A2	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-14B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-14B1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122701-14B2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-14C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14C1	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14C2	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14D1	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-14D2	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-15A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-15B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-15C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-15D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-16A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-16B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-16C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-16D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-17A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-17B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-17C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-17D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-18A	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2122701-18B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122701-18C	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-18D	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2122701-19A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-19B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-19C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-19D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-20A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-20B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122701-20C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-20D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-21A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2122701-21B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122701-21C	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2122701-21D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL — **NEW YORK CHAIN OF CUSTODY**

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

Page 1 of 3

Date Rec'd in Lab: 5/3/21

ALPHA Job #: L2122701

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: 550 Liberty Plaza - Pi
Project Location: 13899-21-01 Brentwood, NY
Project #: 13899-21-01
(Use Project name as Project #) ☐
Project Manager: Alfredo Esposito
ALPHAQuote #:

Client Information
Client: FPM Group
Address: 640 Johnson Ave, Bohemia, NY 11716
Phone: 631 737 6200
Fax:
Email: a.esposito@fpm-group.com

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NYS DEC EDD

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:
*NY Part 375 Metals except Hex Chrome & Cyanide

Please specify Metals or TAL.

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

ANALYSIS: *NYS Part 375 Metals

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	*NYS Part 375 Metals	Sample Specific Comments	Total Bottles
22701-01	1-SW-North	4/29/21	1317	S	AE	X		4
-02	1-SW-East	↓	1324	↓	↓	↓		↓
-03	1-SW-South	↓	1336	↓	↓	↓		↓
-04	1-SW-West	↓	1343	↓	↓	↓		↓
-05	1-F	↓	1358	↓	↓	↓		↓
-06	2-SW-North	↓	1440	↓	↓	↓		↓
-07	2-SW-East	↓	1457	↓	↓	↓		↓
-08	2-SW-South	↓	1502	↓	↓	↓		↓
-09	2-SW-West	↓	1508	↓	↓	↓		↓
-10	2-F	↓	1512	↓	↓	↓		↓

Container Type: A/P
Preservative: A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alfredo [signature]	5/3	Don [signature]	5/3/21 1050
Don [signature]	5/3/21 1430	Paul Mazzella	5/3/21 1604
Paul Mazzella	5/3/21	[signature]	
[signature] 5/3	[illegible]	[signature] 5/3/21 2300	

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 2 of 3

Date Rec'd in Lab: 5/3/21

ALPHA Job #: L2122701

Client Information
Client: FPM Group
Address: 640 Johnson Ave
Bohemia, NY 11716
Phone: ~~516~~ 631 737 6200
Fax:
Email: aesposito@fpm-group.com

Project Information
Project Name: 550 Liberty Plaza - P1
Project Location: Brentwood, NY
Project # 13689-21-01
(Use Project name as Project #) ☐
Project Manager: Alfredo Esposito
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NYS DEC EDD

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:
* NY Part 375 Metals except Hex Chrom & Cyanide

Please specify Metals or TAL.

ANALYSIS
* NYS Part 375 Metals

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	* NYS Part 375 Metals	Sample Specific Comments	Total Bottle
22701 - 11	4-SW-North	4/30/21	8:30	S	AE	X		4
-12	4-SW-East		8:42					4
-13	4-SW-South		900					4
-14	4-SW-West		915				MSMSD	12
-15	4F		947					4
-16	5-SW-North		1320					4
-17	5-SW-East		1330					4
-18	5-SW-South		1340					4
-19	5-SW-West		1245					4
-20	5F	↓	~~1400~~ 1345	↓	↓	↓		4

Container Type: A/P
Preservative: A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alfredo Esposito	5/3	Don Dalla	5/3/21 1050
Don Dalla	5/3/21 1430	Paul Mazzella	5/3/21 1645
Paul Mazzella	5/3/21 1645		
	5/3/21 2300		5/3/21 23:00

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

Mansfield, MA 02048
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FAX: 508-822-3288

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 5/3/21

ALPHA Job #: L2122701

Client Information
Client: FPM Group
Address: 640 Johnson Ave
Bohemia NY 11716
Phone: 631 737 6200
Fax:
Email: aesposito@fpm-group.com

Project Information
Project Name: 550 Liberty Plaza - P1
Project Location: ~~1359-21-01~~ Brentwood, NY
Project #: 1359-2101
(Use Project name as Project #) ☐
Project Manager: Alfredo Esposito
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NYS DEC EDD

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:
*NY Part 375 Metals except Hex Chrom & Cyanide

Please specify Metals or TAL.

ANALYSIS
NYSPart375Metals

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	*NYSPart375Metals*	Sample Specific Comments	Total Bottle
22701 - 21	55-SW-North	4/30/21	1400	Soil	RE	X		4

Container Type: A/P
Preservative: A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alfredo Esposito	5/3		
	5/3/21 1430		5/3/21 1050
Paul Magella	5/3/21	Paul Magella	5/3/21 1649

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)

ANALYTICAL REPORT

Lab Number:	L2122699
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLAZA-P2
Project Number:	1389G-21-01
Report Date:	05/18/21

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

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

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2122699-01	3-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:10	05/03/21
L2122699-02	3-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 14:20	05/03/21
L2122699-03	3-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 14:30	05/03/21
L2122699-04	3-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 14:35	05/03/21
L2122699-05	33-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:15	05/03/21
L2122699-06	3F	SOIL	BRENTWOOD, NY	04/30/21 14:45	05/03/21

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Case Narrative

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

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

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

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

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

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

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699
Project Number: 1389G-21-01 **Report Date:** 05/18/21

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.

Total Metals

The WG1497428-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for cadmium (56%/151%). A post digestion spike was performed and yielded unacceptable recoveries for cadmium (79%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1497428-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for chromium (67%/144%), copper (25%/176%), and manganese (MS 58%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (72%), copper (77%), manganese (75%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

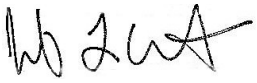
The WG1497428-3/-4 MS/MSD recoveries for zinc (0%/286%), performed on L2122699-03, do not apply because the sample concentration is greater than four times the spike amount added.

The WG1497428-4 MSD recovery, performed on L2122699-03, is outside the acceptance criteria for lead (133%). A post digestion spike was performed and was within acceptance criteria.

The WG1497428-3/-4 MS/MSD RPDs for cadmium (29%), copper (37%), lead (28%) and zinc (41%), performed on L2122699-03, are above the acceptance criteria.

The WG1497430-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for mercury (152%/164%). A post digestion spike was performed and was within acceptance criteria.

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:  Jennifer L Clements

Title: Technical Director/Representative Date: 05/18/21

METALS

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-01 Date Collected: 04/30/21 14:10

Client ID: 3-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.76		mg/kg	0.415	0.086	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Barium, Total	10.2		mg/kg	0.415	0.072	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Beryllium, Total	0.145	J	mg/kg	0.207	0.014	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Cadmium, Total	0.693		mg/kg	0.415	0.041	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Chromium, Total	11.0		mg/kg	0.415	0.040	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Copper, Total	3.65		mg/kg	0.415	0.107	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Lead, Total	7.86		mg/kg	2.07	0.111	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Manganese, Total	38.5		mg/kg	0.415	0.066	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.084	0.055	1	05/12/21 16:10	05/15/21 15:25	EPA 7471B	1,7471B	OU
Nickel, Total	2.61		mg/kg	1.04	0.100	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Selenium, Total	0.307	J	mg/kg	0.830	0.107	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.415	0.117	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV
Zinc, Total	13.2		mg/kg	2.07	0.122	1	05/12/21 15:52	05/18/21 00:28	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-02 Date Collected: 04/30/21 14:20

Client ID: 3-SW-EAST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	3.44		mg/kg	0.510	0.106	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Barium, Total	12.4		mg/kg	0.510	0.089	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Beryllium, Total	0.178	J	mg/kg	0.255	0.017	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Cadmium, Total	6.80		mg/kg	0.510	0.050	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Chromium, Total	89.6		mg/kg	0.510	0.049	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Copper, Total	18.6		mg/kg	0.510	0.132	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Lead, Total	17.8		mg/kg	2.55	0.137	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Manganese, Total	118		mg/kg	0.510	0.081	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.100	0.066	1	05/12/21 16:10	05/15/21 15:28	EPA 7471B	1,7471B	OU
Nickel, Total	8.89		mg/kg	1.27	0.123	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Selenium, Total	0.388	J	mg/kg	1.02	0.132	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Silver, Total	0.367	J	mg/kg	0.510	0.144	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV
Zinc, Total	36.0		mg/kg	2.55	0.149	1	05/12/21 15:52	05/18/21 00:32	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-03 Date Collected: 04/30/21 14:30

Client ID: 3-SW-SOUTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.87		mg/kg	0.428	0.089	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Barium, Total	30.5		mg/kg	0.428	0.074	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Beryllium, Total	0.261		mg/kg	0.214	0.014	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Cadmium, Total	9.34		mg/kg	0.428	0.042	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Chromium, Total	55.3		mg/kg	0.428	0.041	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Copper, Total	63.1		mg/kg	0.428	0.110	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Lead, Total	37.8		mg/kg	2.14	0.115	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Manganese, Total	63.9		mg/kg	0.428	0.068	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Mercury, Total	0.069	J	mg/kg	0.082	0.053	1	05/12/21 16:10	05/15/21 15:05	EPA 7471B	1,7471B	OU
Nickel, Total	12.0		mg/kg	1.07	0.103	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Selenium, Total	0.470	J	mg/kg	0.855	0.110	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Silver, Total	0.286	J	mg/kg	0.428	0.121	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV
Zinc, Total	318		mg/kg	2.14	0.125	1	05/12/21 15:52	05/17/21 22:33	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-04 Date Collected: 04/30/21 14:35

Client ID: 3-SW-WEST Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	3.68		mg/kg	0.465	0.097	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Barium, Total	15.3		mg/kg	0.465	0.081	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Beryllium, Total	0.228	J	mg/kg	0.232	0.015	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Cadmium, Total	1.14		mg/kg	0.465	0.046	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Chromium, Total	12.0		mg/kg	0.465	0.045	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Copper, Total	5.73		mg/kg	0.465	0.120	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Lead, Total	14.0		mg/kg	2.32	0.124	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Manganese, Total	44.7		mg/kg	0.465	0.074	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.084	0.055	1	05/12/21 16:10	05/15/21 15:32	EPA 7471B	1,7471B	OU
Nickel, Total	4.06		mg/kg	1.16	0.112	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Selenium, Total	0.651	J	mg/kg	0.930	0.120	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.465	0.132	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV
Zinc, Total	42.6		mg/kg	2.32	0.136	1	05/12/21 15:52	05/18/21 00:37	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-05 Date Collected: 04/30/21 14:15

Client ID: 33-SW-NORTH Date Received: 05/03/21

Sample Location: BRENTWOOD, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.87		mg/kg	0.421	0.088	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Barium, Total	13.4		mg/kg	0.421	0.073	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Beryllium, Total	0.143	J	mg/kg	0.210	0.014	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Cadmium, Total	0.488		mg/kg	0.421	0.041	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Chromium, Total	8.24		mg/kg	0.421	0.040	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Copper, Total	3.54		mg/kg	0.421	0.108	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Lead, Total	7.68		mg/kg	2.10	0.113	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Manganese, Total	39.0		mg/kg	0.421	0.067	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.084	0.055	1	05/12/21 16:10	05/15/21 15:35	EPA 7471B	1,7471B	OU
Nickel, Total	2.65		mg/kg	1.05	0.102	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Selenium, Total	0.215	J	mg/kg	0.842	0.108	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.421	0.119	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV
Zinc, Total	12.9		mg/kg	2.10	0.123	1	05/12/21 15:52	05/18/21 00:42	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-06 Date Collected: 04/30/21 14:45

Client ID: 3F Date Received: 05/03/21

Sample Location: BRENTWOOD, NY 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	2.40		mg/kg	0.498	0.104	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Barium, Total	8.06		mg/kg	0.498	0.087	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Beryllium, Total	0.169	J	mg/kg	0.249	0.016	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Cadmium, Total	0.224	J	mg/kg	0.498	0.049	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Chromium, Total	6.98		mg/kg	0.498	0.048	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Copper, Total	2.68		mg/kg	0.498	0.128	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Lead, Total	7.26		mg/kg	2.49	0.134	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Manganese, Total	40.8		mg/kg	0.498	0.079	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.091	0.059	1	05/12/21 16:10	05/15/21 15:38	EPA 7471B	1,7471B	OU
Nickel, Total	2.54		mg/kg	1.24	0.120	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Selenium, Total	0.468	J	mg/kg	0.996	0.128	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.498	0.141	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV
Zinc, Total	8.94		mg/kg	2.49	0.146	1	05/12/21 15:52	05/18/21 01:28	EPA 3050B	1,6010D	BV

Project Name: 550 LIBERTY PLAZA-P2 **Lab Number:** L2122699

Project Number: 1389G-21-01 **Report Date:** 05/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1497428-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1497430-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/12/21 16:10	05/15/21 14:59	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P2

Project Number: 1389G-21-01

Lab Number: L2122699

Report Date: 05/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1497428-2 SRM Lot Number: D109-540								
Arsenic, Total	96		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	102		-		75-125	-		
Cadmium, Total	104		-		75-125	-		
Chromium, Total	97		-		70-130	-		
Copper, Total	92		-		75-125	-		
Lead, Total	89		-		72-128	-		
Manganese, Total	97		-		74-126	-		
Nickel, Total	102		-		70-130	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	91		-		68-131	-		
Zinc, Total	91		-		70-130	-		
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1497430-2 SRM Lot Number: D109-540								
Mercury, Total	107		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497428-3 WG1497428-4 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH												
Arsenic, Total	3.87	10.4	13.8	95		14.2	102		75-125	3		20
Barium, Total	30.5	173	190	92		194	97		75-125	2		20
Beryllium, Total	0.261	4.34	4.31	93		4.27	96		75-125	1		20
Cadmium, Total	9.34	4.42	11.8	**56**	Q	15.8	**151**	Q	75-125	**29**	Q	20
Chromium, Total	55.3	17.3	67.0	**67**	Q	79.4	**144**	Q	75-125	17		20
Copper, Total	63.1	21.7	68.6	**25**	Q	100	**176**	Q	75-125	**37**	Q	20
Lead, Total	37.8	44.2	71.4	76		94.6	**133**	Q	75-125	**28**	Q	20
Manganese, Total	63.9	43.4	89.1	**58**	Q	109	108		75-125	20		20
Nickel, Total	12.0	43.4	47.6	82		48.4	87		75-125	2		20
Selenium, Total	0.470J	10.4	10.6	102		10.3	102		75-125	3		20
Silver, Total	0.286J	26	25.3	97		24.2	96		75-125	4		20
Zinc, Total	318	43.4	288	**0**	Q	438	**286**	Q	75-125	**41**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497430-3 WG1497430-4 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH												
Mercury, Total	0.069J	0.176	0.267	**152**	Q	0.227	**164**	Q	80-120	16		20

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2122699
Report Date: 05/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497428-6 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH						
Barium, Total	30.5	31.7	mg/kg	4		20
Chromium, Total	55.3	59.0	mg/kg	7		20
Copper, Total	63.1	66.0	mg/kg	5		20
Manganese, Total	63.9	70.3	mg/kg	10		20
Zinc, Total	318	342	mg/kg	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01
Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-01
Client ID: 3-SW-NORTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 14:10
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-02
Client ID: 3-SW-EAST
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 14:20
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01
Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-03
Client ID: 3-SW-SOUTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 14:30
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01
Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-04
Client ID: 3-SW-WEST
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 14:35
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01
Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-05
Client ID: 33-SW-NORTH
Sample Location: BRENTWOOD, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/30/21 14:15
Date Received: 05/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

SAMPLE RESULTS

Lab ID: L2122699-06
Client ID: 3F
Sample Location: BRENTWOOD, NY

Date Collected: 04/30/21 14:45
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	05/05/21 07:40	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P2

Project Number: 1389G-21-01

Lab Number: L2122699

Report Date: 05/18/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1494554-1 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH						
Solids, Total	90.7	90.6	%	0		20

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122699-01A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122699-01C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-01D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-02A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-02C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-02D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-03A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-03A1	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-03A2	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-03B1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-03B2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-03C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-03C1	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2122699-03C2	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-03D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-03D1	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-03D2	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-04A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-04C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-04D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-05A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2122699-05C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-05D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-06A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2122699-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2122699-06C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2122699-06D	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 5/3/21

ALPHA Job #: L2122199

Client Information
Client: FPM Group
Address: 640 Johnson Ave
Bohemia NY 11716
Phone: 631-737-6200
Fax:
Email: a.esposito@fpm-group.com

Project Information
Project Name: 550 Liberty Plaza-P2
Project Location: Brentwood, NY
Project #: 13899-2101
(Use Project name as Project #)
Project Manager: Alfredo Esposito
ALPHAQuote #:

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

Deliverables
ASP-A: ASP-B: X
EQuIS (1 File): EQuIS (4 File):
Other: X NYS DEC EDD

Billing Information
Same as Client Info: X
PO #

Regulatory Requirement
NY TOGS: NY Part 375: X
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:

* NY Part 375 Metals Except Hex Chrom & Cyanide

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	* NYS Part 375 Metals	Sample Specific Comments	Total Bottle
22699-01	3-SW-North	4/30/21	1410	S	AE	X		4
-02	3-SW-East	"	1420	"	"	"		4
-03	3-SW-South	"	1430	"	"	"	MS/MSD	12
-04	3-SW-West	"	1435	"	"	"		4
-05	33-SW-North	"	1415	"	"	"		4
-06	3F	"	1445	"	"	"		4

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

	* NYS Part 375 Metals							
Container Type	A/P							
Preservative	A							

Relinquished By:	Date/Time	Received By:	Date/Time
Alfred Esp	5/3	[illegible]	5/3/21 1050
[illegible]	5/3/21 1430	Paul Mazzella	5/3/21 1645
Paul Mazzella	5/3/21		

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)

5/3/21 23:00

ANALYTICAL REPORT

Lab Number:	L2128660
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLACE
Project Number:	1389G-21-01
Report Date:	06/30/21

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

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

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2128660-01	1-SW-NORTH	SOIL	BRENTWOOD, NY	05/27/21 09:32	05/28/21
L2128660-02	1-SW-WEST	SOIL	BRENTWOOD, NY	05/27/21 09:23	05/28/21
L2128660-03	2-SW-WEST	SOIL	BRENTWOOD, NY	05/27/21 09:06	05/28/21
L2128660-04	2-SW-SOUTH	SOIL	BRENTWOOD, NY	05/27/21 09:12	05/28/21

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

Case Narrative

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

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

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

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

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

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

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

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: Jennifer L Clements

Title: Technical Director/Representative Date: 06/30/21

METALS

Project Name: 550 LIBERTY PLACE
Lab Number: L2128660
Project Number: 1389G-21-01
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-01
Client ID: 1-SW-NORTH
Sample Location: BRENTWOOD, NY
Date Collected: 05/27/21 09:32
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Cadmium, Total	1.70		mg/kg	0.425	0.042	1	06/15/21 22:06	06/30/21 10:49	EPA 3050B	1,6010D	GD

Project Name: 550 LIBERTY PLACE
Lab Number: L2128660
Project Number: 1389G-21-01
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-02
Client ID: 1-SW-WEST
Sample Location: BRENTWOOD, NY
Date Collected: 05/27/21 09:23
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Cadmium, Total	54.8		mg/kg	0.413	0.041	1	06/15/21 22:06	06/30/21 10:54	EPA 3050B	1,6010D	GD

Project Name: 550 LIBERTY PLACE
Lab Number: L2128660
Project Number: 1389G-21-01
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-03
Client ID: 2-SW-WEST
Sample Location: BRENTWOOD, NY
Date Collected: 05/27/21 09:06
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Cadmium, Total	0.618		mg/kg	0.406	0.040	1	06/15/21 22:06	06/30/21 10:58	EPA 3050B	1,6010D	GD

Project Name: 550 LIBERTY PLACE
Lab Number: L2128660
Project Number: 1389G-21-01
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-04
Client ID: 2-SW-SOUTH
Sample Location: BRENTWOOD, NY
Date Collected: 05/27/21 09:12
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Cadmium, Total	8.98		mg/kg	0.419	0.041	1	06/15/21 22:06	06/30/21 11:47	EPA 3050B	1,6010D	GD

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01
Lab Number: L2128660
Report Date: 06/30/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1511964-1										
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/15/21 22:06	06/30/21 11:37	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLACE

Project Number: 1389G-21-01

Lab Number: L2128660

Report Date: 06/30/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1511964-2 SRM Lot Number: D109-540								
Cadmium, Total	101		-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1511964-3 WG1511964-4 QC Sample: L2126177-35 Client ID: MS Sample												
Cadmium, Total	1.95J	11.8	12.9	109		13.1	113		75-125	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-01
Client ID: 1-SW-NORTH
Sample Location: BRENTWOOD, NY

Date Collected: 05/27/21 09:32
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	06/05/21 13:28	121,2540G	RI

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-02
Client ID: 1-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 05/27/21 09:23
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	06/05/21 13:28	121,2540G	RI

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-03
Client ID: 2-SW-WEST
Sample Location: BRENTWOOD, NY

Date Collected: 05/27/21 09:06
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	06/05/21 13:28	121,2540G	RI

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

SAMPLE RESULTS

Lab ID: L2128660-04
Client ID: 2-SW-SOUTH
Sample Location: BRENTWOOD, NY

Date Collected: 05/27/21 09:12
Date Received: 05/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	06/05/21 13:28	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 550 LIBERTY PLACE

Project Number: 1389G-21-01

Lab Number: L2128660

Report Date: 06/30/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1508073-1 QC Sample: L2128628-03 Client ID: DUP Sample						
Solids, Total	91.2	91.2	%	0		20

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2128660-01A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		CD-TI(180)
L2128660-01X	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)
L2128660-02A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		CD-TI(180)
L2128660-02X	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)
L2128660-03A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		CD-TI(180)
L2128660-03X	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)
L2128660-04A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		CD-TI(180)
L2128660-04X	Glass 60ml unpreserved split	A	NA		2.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

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

Page of

Date Rec'd in Lab: 5/28/21

ALPHA Job #: L2128660

Client Information
Client: FPM Group
Address: 640 Johnson Ave, Bohemia NY 11716
Phone: 631 737 6200
Fax:
Email: a.esposito@fpm-group.com

Project Information
Project Name: 550 Liberty Plaza
Project Location: Brentwood, NY
Project #: 1389g-21-01
(Use Project name as Project #) ☐
Project Manager: Alfredo Esposito
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NYS DEC EDD

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	ANALYSIS: Cadmium	Sample Specific Comments	Total Bottles
28660-01	1-SW-North	5/27	932	S	AE	X		
-02	1-SW-West	↓	923	↓	↓	↓		
-03	2-SW-West	↓	906	↓	↓	↓		
-04	3-SW-South	↓	912	↓	↓	↓		

	Cadmium
Container Type	G
Preservative	A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alfredo Esposito		[signature] AAL	5/28/21 1122
[signature] AAL	5/28/21 1530	[signature]	5/28/21 1645
[signature]	5/28/21 2340	[signature]	5/28/21 2340

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)

500-550 SUFFOLK AVENUE, BRENTWOOD, NY
DATA USABILITY SUMMARY REPORT
April 29 and 30, 2021 Soil Sampling (SDG 1)
Lab Report #L2122701

This data usability summary report (DUSR) was prepared in accordance with Appendix 2B of New York State Department of Environmental Conservation (NYSDEC) DER-10 using the entire original laboratory report. The sampling event included 20 primary environmental soil samples and associated quality assurance/quality control (QA/QC) samples collected on April 29 and 30, 2021.

Sample Collection

The samples were collected in labeled laboratory-provided sample containers; no issues with sample containers or labeling were reported by the laboratory with one exception. The lab noted a discrepancy with the collection date and time on the label of one sample when compared to the chain of custody (COC). The lab contacted the sampler and the discrepancy was resolved – this issue does not present a concern.

Sampling procedures, including collection of field QA/QC samples, were reported to have been in accordance with the procedures presented in the NYSDEC-approved Quality Assurance Project Plan for this project. All sample collection was conducted under COC procedures.

A field QA/QC sample (blind duplicate sample) was collected to evaluate field sampling methods and laboratory procedures. Extra volume was also provided for a site-specific matrix spike/matrix spike duplicate (MS/MSD) QA/QC sample.

Sample Analyses

The samples were transmitted to and analyzed by Alpha Analytical (Alpha) at their Westborough, MA facility, which is New York State Department of Health-certified for the analyses performed. The samples were prepared and analyzed for Target Analyte List (TAL) metals using Methods 3050B and 6010D, and mercury using Method 7471B. The analytical methods and analytes are appropriate for the intended use of the data. The sample holding times were met and no problems with sample receipt or handling were reported by the laboratory.

No samples required dilution prior to analysis.

QA/QC Results

A blind duplicate sample was collected and utilized to evaluate the precision of the laboratory analysis. The results from the duplicate sample (55-SW-North) and the associated parent sample (5-SW-North) are similar for all of the metals. Given the heterogeneous nature of soil, some variability of the metals results is to be expected between these two samples. Based on the blind duplicate sample results, the laboratory results are likely to be precise.

An MS/MSD sample was prepared to evaluate the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. One MS/MSD sample was collected and included in this sample delivery group (SDG). Based on information provided by the analytical laboratory, the MS/MSD results were all within QC limits except as follows:

- The percent recovery (%R) was above the upper control limit for manganese in the MSD. The MS %R was within control limits. A post-digestion spike was performed with a %R below the lower control limit. The serial dilution recovery was acceptable and, therefore, the matrix test passed for the sample matrix. The associated LCS also met control criteria and no corrective action is indicated; and

- The %R was above its control limit for mercury in the MSD, but was within control limits for the MS. A post-digestion spike was performed and was within acceptance criteria and the associated LCS also met control criteria. No corrective action is indicated.

Based on these results, matrix-related effects have not significantly affected the analytical results.

Method blank (MB) samples were analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show concentrations of analytes above their method detection limits and/or the reporting limits except as follows:

- Arsenic was detected in one MB sample at a level above the method detection limit but below the reporting limit. This value is J-flagged and is three orders of magnitude below the NYSDEC commercial use SCO for arsenic (16 mg/kg); this result does not present a concern.

Based on the MB results, cross-contamination associated with sample preparation and analysis does not present a concern.

Laboratory control samples (LCSs) were used by the laboratory to verify the accuracy of the analyses. The LCS results were all within established guidelines. Based on these results, the analytical results do not appear to have been significantly affected by laboratory-related accuracy issues.

Questions and Responses as per DER-10

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

   The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, MS/MSD forms, and MB data are all present and complete. The data report forms are all present and complete.

2. Have all holding times been met?

   All samples were received and analyzed within the EPA-recommended holding times for the analyses performed.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

   No – Although the majority of QC data were found to fall within the protocol-required limits

and specifications, minor exceptions were noted above; however, these exceptions do not appear to significantly affect the data set.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

   Yes - all of the data were generated using Methods 3050B and 6010D for total metals, and Method 7471B for mercury.

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   Raw data results were not provided in the lab report.

6. Have the correct data qualifiers been used?

   Yes – results below the quantitation limit and above the method detection limit have been J-qualified. No other qualifiers were indicated or applied.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

   Yes – exceedances have been noted in the DUSR and the corresponding QC summary sheets are attached.

Conclusions

The soil samples were reported to have been collected in accordance with the NYSDEC-approved QAPP for this project. No field or laboratory conditions occurred that would result in non-valid analytical data other than as noted above. The data appear to be adequate for their intended purpose.

Attachments

S:\Liberty Industrial\Dusrs\DUSR-SDG1.Docx

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L2122701
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLAZA-P1
Project Number:	1389G-21-01
Report Date:	05/18/21

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

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2122701-01	1-SW-NORTH	SOIL	BRENTWOOD, NY	04/29/21 13:17	05/03/21
L2122701-02	1-SW-EAST	SOIL	BRENTWOOD, NY	04/29/21 13:24	05/03/21
L2122701-03	1-SW-SOUTH	SOIL	BRENTWOOD, NY	04/29/21 13:36	05/03/21
L2122701-04	1-SW-WEST	SOIL	BRENTWOOD, NY	04/29/21 13:43	05/03/21
L2122701-05	1-F	SOIL	BRENTWOOD, NY	04/29/21 13:58	05/03/21
L2122701-06	2-SW-NORTH	SOIL	BRENTWOOD, NY	04/29/21 14:40	05/03/21
L2122701-07	2-SW-EAST	SOIL	BRENTWOOD, NY	04/29/21 14:57	05/03/21
L2122701-08	2-SW-SOUTH	SOIL	BRENTWOOD, NY	04/29/21 15:02	05/03/21
L2122701-09	2-SW-WEST	SOIL	BRENTWOOD, NY	04/29/21 15:08	05/03/21
L2122701-10	2-F	SOIL	BRENTWOOD, NY	04/29/21 15:12	05/03/21
L2122701-11	4-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 08:30	05/03/21
L2122701-12	4-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 08:42	05/03/21
L2122701-13	4-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 09:00	05/03/21
L2122701-14	4-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 09:15	05/03/21
L2122701-15	4F	SOIL	BRENTWOOD, NY	04/30/21 09:47	05/03/21
L2122701-16	5-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 13:20	05/03/21
L2122701-17	5-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 13:30	05/03/21
L2122701-18	5-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 13:40	05/03/21
L2122701-19	5-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 13:45	05/03/21
L2122701-20	5F	SOIL	BRENTWOOD, NY	04/30/21 14:05	05/03/21
L2122701-21	55-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:00	05/03/21

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Case Narrative

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

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

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

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

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

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

Project Name:	550 LIBERTY PLAZA-P1	**Lab Number:**	L2122701
Project Number:	1389G-21-01	**Report Date:**	05/18/21

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.

Sample Receipt

L2122701-04: The collection date and time on the chain of custody was 29-APR-21 13:43; however, the collection date/time on the container label was 29-APR-21 13:36. At the client's request, the collection date/time is reported as 29-APR-21 13:43.

Total Metals

The WG1497422-4 MSD recovery, performed on L2122701-14, is outside the acceptance criteria for manganese (147%). A post digestion spike was performed and yielded unacceptable recoveries for manganese (71%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1497425-4 MSD recovery, performed on L2122701-14, is outside the acceptance criteria for mercury (129%). A post digestion spike was performed and was within acceptance criteria.

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: Jennifer L Clements

Title: Technical Director/Representative Date: 05/18/21

Project Name: 550 LIBERTY PLAZA-P1 **Lab Number:** L2122701

Project Number: 1389G-21-01 **Report Date:** 05/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1497422-1										
Arsenic, Total	0.088	J	mg/kg	0.400	0.083	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/11/21 22:35	05/18/21 01:10	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1497425-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/11/21 23:10	05/15/21 13:23	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 21 Batch: WG1497428-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/12/21 15:52	05/17/21 22:10	1,6010D	BV

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Number: L2122701
Report Date: 05/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20	QC Batch ID: WG1497422-3					WG1497422-4	QC Sample: L2122701-14			Client ID: 4-SW-WEST		
Arsenic, Total	7.34	11.6	19.5	104		21.1	116		75-125	8		20
Barium, Total	15.5	194	196	93		195	91		75-125	1		20
Beryllium, Total	0.180J	4.85	4.78	98		4.74	96		75-125	1		20
Cadmium, Total	0.408J	4.95	4.72	95		4.70	94		75-125	0		20
Chromium, Total	8.78	19.4	26.0	89		27.0	92		75-125	4		20
Copper, Total	7.16	24.2	30.9	98		30.4	94		75-125	2		20
Lead, Total	15.9	49.5	62.3	94		57.6	83		75-125	8		20
Manganese, Total	96.6	48.5	143	96		169	**147**	Q	75-125	17		20
Nickel, Total	2.10	48.5	41.9	82		41.0	79		75-125	2		20
Selenium, Total	0.486J	11.6	11.4	98		11.5	97		75-125	1		20
Silver, Total	ND	29.1	29.4	101		29.2	99		75-125	1		20
Zinc, Total	19.4	48.5	66.0	96		66.8	96		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-20	QC Batch ID: WG1497425-3					WG1497425-4	QC Sample: L2122701-14			Client ID: 4-SW-WEST		
Mercury, Total	0.092	0.172	0.281	110		0.310	**129**	Q	80-120	10		20

Project Name: 550 LIBERTY PLAZA-P1
Project Number: 1389G-21-01

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2122701
Report Date: 05/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1497422-6 QC Sample: L2122701-14 Client ID: 4-SW-WEST						
Barium, Total	15.5	16.2	mg/kg	5		20
Manganese, Total	96.6	104	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 21 QC Batch ID: WG1497428-6 QC Sample: L2122699-03 Client ID: DUP Sample						
Barium, Total	30.5	31.7	mg/kg	4		20
Chromium, Total	55.3	59.0	mg/kg	7		20
Copper, Total	63.1	66.0	mg/kg	5		20
Manganese, Total	63.9	70.3	mg/kg	10		20
Zinc, Total	318	342	mg/kg	8		20

500-550 SUFFOLK AVENUE, BRENTWOOD, NY
DATA USABILITY SUMMARY REPORT
April 30, 2021 Soil Sampling (SDG 2)
Lab Report #L2122699

This data usability summary report (DUSR) was prepared in accordance with Appendix 2B of New York State Department of Environmental Conservation (NYSDEC) DER-10 using the entire original laboratory report. The sampling event included 5 primary environmental soil samples and associated quality assurance/quality control (QA/QC) samples collected on April 30, 2021.

Sample Collection

The samples were collected in labeled laboratory-provided sample containers; no issues with sample containers or labeling were reported by the laboratory.

Sampling procedures, including collection of field QA/QC samples, were reported to have been in accordance with the procedures presented in the NYSDEC-approved Quality Assurance Project Plan for this project. All sample collection was conducted under COC procedures.

A field QA/QC sample (blind duplicate sample) was collected to evaluate field sampling methods and laboratory procedures. Extra volume was also provided for a site-specific matrix spike/matrix spike duplicate (MS/MSD) QA/QC sample.

Sample Analyses

The samples were transmitted to and analyzed by Alpha Analytical (Alpha) at their Westborough, MA facility, which is New York State Department of Health-certified for the analyses performed. The samples were prepared and analyzed for Target Analyte List (TAL) metals using Methods 3050B and 6010D, and mercury using Method 7471B. The analytical methods and analytes are appropriate for the intended use of the data. The sample holding times were met and no problems with sample receipt or handling were reported by the laboratory.

No samples required dilution prior to analysis.

QA/QC Results

A blind duplicate sample was collected and utilized to evaluate the precision of the laboratory analysis. The results from the duplicate sample (33-SW-North) and the associated parent sample (3-SW-North) are similar for all of the metals. Given the heterogeneous nature of soil, some variability of the metals results is to be expected between these two samples. Based on the blind duplicate sample results, the laboratory results are likely to be precise.

An MS/MSD sample was prepared to evaluate the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. One MS/MSD sample was collected and included in this sample delivery group (SDG). Based on information provided by the analytical laboratory, the MS/MSD results were all within QC limits except as follows:

- The percent recoveries (%Rs) were outside the control limits for cadmium in the MS and MSD. The relative percent differences (RPDs) for the MS/MSD were also above

acceptance criteria. A post-digestion spike was performed with %Rs below the lower control limit, although the associated LCS met control criteria. The serial dilution recovery was not applicable and, therefore, cadmium failed the matrix test and the result reported in the native sample (3-SW-South) should be considered estimated. As the cadmium result in this sample exceeded the NYSDEC commercial use SCO, additional soil was removed in this sample area and the area was re-sampled (see SDG 3). Therefore, the results from the 3-SW-South sample were not used to confirm the completion of remediation;

- The %Rs were outside the control limits for chromium, copper, and manganese in the MS and/or MSD, and the RPDs were also outside acceptance criteria. A post-digestion spike was performed and yielded unacceptable %Rs for these metals. The serial dilution recovery was acceptable and, therefore, the matrix test passed for these metals;

- The %Rs were outside the control limits for zinc in the MS and MSD. These %Rs do not apply as the sample concentration was more than four times the spike amount added.

- The %R was outside the control limit for lead in the MSD. A post-digestion spike was performed and the result was acceptable; and

- The %Rs were above the control limit for mercury in the MS and MSD. A post-digestion spike was performed and the result was within acceptance criteria, and the associated LCS also met control criteria. No corrective action is indicated.

Based on these results, matrix-related effects have not significantly affected the analytical results except for cadmium in sample 3-SW-South. As noted above, this sample was not used to confirm the completion of remediation.

A Method blank (MB) sample was analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show concentrations of analytes above their method detection limits and/or the reporting limits. Based on the MB results, cross-contamination associated with sample preparation and analysis does not present a concern.

A Laboratory Control Sample (LCS) was used by the laboratory to verify the accuracy of the analyses. The LCS results were all within established guidelines. Based on these results, the analytical results do not appear to have been significantly affected by laboratory-related accuracy issues.

Questions and Responses as per DER-10

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

   The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, MS/MSD forms, and MB data are all present and complete. The data report forms are all present and complete.

2. Have all holding times been met?

All samples were received and analyzed within the EPA-recommended holding times for the analyses performed.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

   No – Although the majority of QC data were found to fall within the protocol-required limits and specifications, minor exceptions were noted above; however, these exceptions do not appear to significantly affect the data set except as noted above.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

   Yes - all of the data were generated using Methods 3050B and 6010D for total metals, and Method 7471B for mercury.

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   Raw data results were not provided in the lab report.

6. Have the correct data qualifiers been used?

   Yes – results below the quantitation limit and above the method detection limit have been J-qualified. No other qualifiers were indicated or applied.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

   Yes – exceedances have been noted in the DUSR and the corresponding QC summary sheets are attached.

Conclusions

The soil samples were reported to have been collected in accordance with the NYSDEC-approved QAPP for this project. No field or laboratory conditions occurred that would result in non-valid analytical data other than as noted above. The data appear to be adequate for their intended purpose.

Attachments

S:\Liberty Industrial\Dusrs\DUSR-SDG2.Docx

ANALYTICAL REPORT

Lab Number:	L2122699
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLAZA-P2
Project Number:	1389G-21-01
Report Date:	05/18/21

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

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

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2122699-01	3-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:10	05/03/21
L2122699-02	3-SW-EAST	SOIL	BRENTWOOD, NY	04/30/21 14:20	05/03/21
L2122699-03	3-SW-SOUTH	SOIL	BRENTWOOD, NY	04/30/21 14:30	05/03/21
L2122699-04	3-SW-WEST	SOIL	BRENTWOOD, NY	04/30/21 14:35	05/03/21
L2122699-05	33-SW-NORTH	SOIL	BRENTWOOD, NY	04/30/21 14:15	05/03/21
L2122699-06	3F	SOIL	BRENTWOOD, NY	04/30/21 14:45	05/03/21

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

Case Narrative

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

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

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

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

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

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

Project Name:	550 LIBERTY PLAZA-P2	**Lab Number:**	L2122699
Project Number:	1389G-21-01	**Report Date:**	05/18/21

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.

Total Metals

The WG1497428-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for cadmium (56%/151%). A post digestion spike was performed and yielded unacceptable recoveries for cadmium (79%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1497428-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for chromium (67%/144%), copper (25%/176%), and manganese (MS 58%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (72%), copper (77%), manganese (75%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1497428-3/-4 MS/MSD recoveries for zinc (0%/286%), performed on L2122699-03, do not apply because the sample concentration is greater than four times the spike amount added.

The WG1497428-4 MSD recovery, performed on L2122699-03, is outside the acceptance criteria for lead (133%). A post digestion spike was performed and was within acceptance criteria.

The WG1497428-3/-4 MS/MSD RPDs for cadmium (29%), copper (37%), lead (28%) and zinc (41%), performed on L2122699-03, are above the acceptance criteria.

The WG1497430-3/-4 MS/MSD recoveries, performed on L2122699-03, are outside the acceptance criteria for mercury (152%/164%). A post digestion spike was performed and was within acceptance criteria.

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: Jennifer L Clements

Title: Technical Director/Representative Date: 05/18/21

Matrix Spike Analysis
Batch Quality Control

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Number: L2122699
Report Date: 05/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497428-3 WG1497428-4 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH												
Arsenic, Total	3.87	10.4	13.8	95		14.2	102		75-125	3		20
Barium, Total	30.5	173	190	92		194	97		75-125	2		20
Beryllium, Total	0.261	4.34	4.31	93		4.27	96		75-125	1		20
Cadmium, Total	9.34	4.42	11.8	**56**	Q	15.8	**151**	Q	75-125	**29**	Q	20
Chromium, Total	55.3	17.3	67.0	**67**	Q	79.4	**144**	Q	75-125	17		20
Copper, Total	63.1	21.7	68.6	**25**	Q	100	**176**	Q	75-125	**37**	Q	20
Lead, Total	37.8	44.2	71.4	76		94.6	**133**	Q	75-125	**28**	Q	20
Manganese, Total	63.9	43.4	89.1	**58**	Q	109	108		75-125	20		20
Nickel, Total	12.0	43.4	47.6	82		48.4	87		75-125	2		20
Selenium, Total	0.470J	10.4	10.6	102		10.3	102		75-125	3		20
Silver, Total	0.286J	26	25.3	97		24.2	96		75-125	4		20
Zinc, Total	318	43.4	288	**0**	Q	438	**286**	Q	75-125	**41**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497430-3 WG1497430-4 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH												
Mercury, Total	0.069J	0.176	0.267	**152**	Q	0.227	**164**	Q	80-120	16		20

Project Name: 550 LIBERTY PLAZA-P2
Project Number: 1389G-21-01

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2122699
Report Date: 05/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1497428-6 QC Sample: L2122699-03 Client ID: 3-SW-SOUTH						
Barium, Total	30.5	31.7	mg/kg	4		20
Chromium, Total	55.3	59.0	mg/kg	7		20
Copper, Total	63.1	66.0	mg/kg	5		20
Manganese, Total	63.9	70.3	mg/kg	10		20
Zinc, Total	318	342	mg/kg	8		20

500-550 SUFFOLK AVENUE, BRENTWOOD, NY
DATA USABILITY SUMMARY REPORT
May 27, 2021 Soil Sampling (SDG 3)
Lab Report #L2128660

This data usability summary report (DUSR) was prepared in accordance with Appendix 2B of New York State Department of Environmental Conservation (NYSDEC) DER-10 using the entire original laboratory report. The sampling event included 4 primary environmental soil samples collected on May 27, 2021.

Sample Collection

The samples were collected in labeled laboratory-provided sample containers; no issues with sample containers or labeling were reported by the laboratory.

Sampling procedures were reported to have been in accordance with the procedures presented in the NYSDEC-approved Quality Assurance Project Plan for this project. All sample collection was conducted under Chain of Custody (COC) procedures.

Sample Analyses

The samples were transmitted to and analyzed by Alpha Analytical (Alpha) at their Westborough, MA facility, which is New York State Department of Health-certified for the analyses performed. The samples were prepared and analyzed for cadmium using Methods 3050B and 6010D. The preparation and analytical methods and analyte are appropriate for the intended use of the data. The sample holding times were met and no problems with sample receipt or handling were reported by the laboratory. No samples required dilution prior to analysis.

It was noted that the sample identified with lab ID 28660-04 was labeled as 3-SW-South on the COC but was mid-identified in the lab report as 2-SW-South. The appropriate pages in the lab report were annotated to correct this error. The information on the data table is correct.

QA/QC Results

A matrix spike/matrix spike duplicate (MS/MSD) sample was prepared by the laboratory to evaluate the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. One MS/MSD sample was included in this sample delivery group (SDG). Based on information provided by the analytical laboratory, the MS/MSD results were all within QC limits. Based on these results, matrix-related effects have not significantly affected the analytical results.

A Method blank (MB) sample was analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show a concentration of cadmium above its method detection limit or reporting limit. Based on the MB results, cross-contamination associated with sample preparation and analysis does not present a concern.

A Laboratory Control Sample (LCS) was used by the laboratory to verify the accuracy of the analyses. The LCS results were all within established guidelines. Based on these results, the analytical results do not appear to have been significantly affected by laboratory-related accuracy issues.

Questions and Responses as per DER-10

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

   The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including LCS forms, MS/MSD forms, and MB data are all present and complete. The data report forms are all present and complete.

2. Have all holding times been met?

   All samples were received and analyzed within the EPA-recommended holding times for the analyses performed.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

   Yes.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

   Yes - all of the data were generated using Methods 3050B and 6010D for cadmium.

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   Raw data results were not provided in the lab report.

6. Have the correct data qualifiers been used?

   Yes – results below the quantitation limit and above the method detection limit have been J-qualified. No other qualifiers were indicated or applied.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

   No.

Conclusions

The soil samples were reported to have been collected in accordance with the NYSDEC-approved QAPP for this project. No field or laboratory conditions occurred that would result in non-valid analytical data and the data appear to be adequate for their intended purpose. A sample mis-identification in the lab report was corrected and does not affect the data.

ANALYTICAL REPORT

Lab Number:	L2128660
Client:	FPM Group 640 Johnson Avenue Suite 101 Bohemia, NY 11716
ATTN:	Alfredo Esposito
Phone:	(631) 737-6200
Project Name:	550 LIBERTY PLACE
Project Number:	1389G-21-01
Report Date:	06/30/21

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

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

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2128660-01	1-SW-NORTH	SOIL	BRENTWOOD, NY	05/27/21 09:32	05/28/21
L2128660-02	1-SW-WEST	SOIL	BRENTWOOD, NY	05/27/21 09:23	05/28/21
L2128660-03	2-SW-WEST	SOIL	BRENTWOOD, NY	05/27/21 09:06	05/28/21
L2128660-04	2-SW-SOUTH This sample is actually 3-SW-SOUTH	SOIL	BRENTWOOD, NY	05/27/21 09:12	05/28/21

Project Name:	550 LIBERTY PLACE	**Lab Number:**	L2128660
Project Number:	1389G-21-01	**Report Date:**	06/30/21

Case Narrative

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

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

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

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

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

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

Project Name: 550 LIBERTY PLACE
Project Number: 1389G-21-01

Lab Number: L2128660
Report Date: 06/30/21

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: Jennifer L Clements

Title: Technical Director/Representative Date: 06/30/21