



H & A OF NEW YORK ENGINEERING  
AND GEOLOGY LLP  
213 West 35<sup>th</sup> Street  
7<sup>th</sup> Floor  
New York, NY 10001  
646.277.5686

4 December 2024  
File No. 0211280

Via Electronic Mail

BH Group 43 LLC  
1526 52<sup>nd</sup> Street  
Brooklyn, NY 11219

Attention: Mr. Alexander Ashkenazi

**RE: 515-519 West 43<sup>rd</sup> Street and 514-518 West 44<sup>th</sup> Street Limited Environmental Site  
Investigation Summary  
515-519 West 43<sup>rd</sup> Street and 514-518 West 44<sup>th</sup> Street  
New York, New York**

Dear Mr. Ashkenazi,

As requested, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), is providing this letter to summarize the results of the Limited Environmental Site Investigation (ESI) completed at 515-519 West 43<sup>rd</sup> Street and 514-518 West 44<sup>th</sup> Street, New York, NY (the Site) in July and October 2024.

#### **SITE LOCATION**

The Site, identified as Block 1072 Lots 21 (515-519 West 43<sup>rd</sup> Street), 42 (514 West 44<sup>th</sup> Street), and 44 (518 West 44<sup>th</sup> Street) on the New York City tax map, is located in the Hell's Kitchen neighborhood of the borough of Manhattan and is comprised of three tax lots totaling 15,070 square feet (sq ft).

The Site is bounded to the north by West 44<sup>th</sup> Street followed by Public School 51, The Elias Howe School; to the east by a 15-story mixed residential and commercial building; to the south by West 43<sup>rd</sup> Street followed by a 35-story mixed residential and commercial building; and to the west by M479 Beacon High School and a one-story automotive repair shop. The Site is currently occupied by an active automotive rental services storefront operated by "AVIS" on Lot 21 and two active auto repair and taxi garages on Lots 42 and 44 operated by "Rosenberg Auto Repair Inc.". The Site is zoned as Residential R9. The Site is located in an urban area surrounded by mixed residential and commercial properties served by municipal water.

The Site is identified as an E-Designation site by the New York City Office of Environmental Remediation (NYCOER). The Site was assigned E-Designation E-268 – West Clinton Rezoning Action as a result of a CEQR effective January 2011 (CEQR #11DCP068M). The requirements under the E-Designation program are satisfaction of the requirements for hazardous materials, noise (window wall attenuation and

alternative means of ventilation), and air quality (HVAC limited to natural gas and exhaust stack location limitations) with the NYCOER.

The proposed redevelopment plans remain conceptual but include a residential development which is consistent with the current zoning amendments.

## BACKGROUND

Based on a Phase I Environmental Site Assessment (ESA) completed by Haley & Aldrich of New York for the Site in November 2024, historic operations conducted at the Site included the following: residential, a warehouse, service station, parking garage, automotive rental shop, automotive repair, farrier, printing, and a motor freight station.

The Phase I ESA identified three Recognized Environmental Conditions (RECs) including the former and current use of the Site for auto-related purposes and the presence of underground storage tanks (USTs); documented chlorinated volatile organic compounds (CVOCs) contamination in groundwater and soil vapor in upgradient and/or adjacent properties; and staining on floors and walls and housekeeping throughout the Site.

## SUBSURFACE INVESTIGATION

On 1 and 10 July 2024, Haley & Aldrich of New York mobilized to the Site with Lakewood Environmental Services Corp. (Lakewood) to conduct a Limited Phase II ESI. Eight soil borings were installed via a limited access rig and a hand auger, with three soil borings advanced on the first floor of the Site (northern portion) and five soil borings advanced within the cellar (southern portion, approximately 10 feet below sidewalk grade [ft bsg]). Four temporary soil vapor points were installed across the Site with two soil vapor points installed on the first floor and two sub-slab soil vapor points installed on the cellar floor. Sample locations are provided on Figure 1.

On 11 and 16 October 2024, Haley & Aldrich of New York mobilized to the Site with Eastern Environmental Solutions, Inc. (Eastern) to conduct supplemental Limited Phase II ESI activities. Six soil borings were installed via a Geoprobe® drill rig, with three soil borings advanced in each garage on Lots 42 and 44. Two temporary sub-slab soil vapor points were installed, one for each garage. Sample locations are provided on Figure 1.

During the Phase II ESI field activities, a representative from Haley & Aldrich of New York was on-site to document field observations and collect soil and soil vapor samples. Nova Geophysical Services (NOVA) completed subsurface utility clearance prior to the initiation of ground intrusive activities. Boring and vapor locations were chosen to assess the potential impacts from on-site sources and characterize the subsurface conditions at the Site.

### Soil Investigation

Eight soil borings were advanced to the following depths: three soil borings, SB-01, SB-04 and SB-06, were advanced on the first floor of the building on Lot 21 adjacent to West 44<sup>th</sup> Street to approximately 10 feet below ground surface (ft bgs); five soil borings, SB-02, SB-03, SB-05, SB-07 and SB-08, were advanced within the cellar of the building on Lot 21 to depths ranging from 3 to 4 ft bgs (approximately 13 to 14 ft bsg); three soil borings, SB-09, SB-10, and SB-11, were advanced in the garage on Lot 42 to

depths ranging from 12 to 15 ft bgs; and three soil borings, SB-12, SB-13 and SB-14, were advanced in the garage on Lot 44 to approximately 15 ft bgs.

Urban fill, generally consisting of light brown to brown, medium to coarse sand with fines, brick, coal fragments, stone, and pebbles, was observed from the surface to depths between 7.5 and 10 ft bgs in the soil borings located on the first floor of the building on Lot 21; to depths between 3 and 7 ft bgs on Lot 42; and to depths between 8 and 10 ft bgs on Lot 44. Soil observed from the cellar on Lot 21 generally consisted of brown to dark brown medium to coarse silty sand with pebbles and potential weathered rock. Refusal was encountered in the cellar between approximately 3 and 4 ft bgs.

Soil samples were collected continuously, classified, and screened for visual and olfactory evidence of contamination such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). Petroleum-like odors and elevated PID readings above background levels were encountered in SB-02 and SB-07 at the 2.5 to 4 ft bgs interval. A maximum PID reading of 369.4 ppm was collected at SB-07, located adjacent to the elevator entrance within the cellar floor in proximity to the suspected location of the former 550-gallon USTs. Soil borings logs are included in Attachment A. Soil samples were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), and total metals.

Groundwater was not encountered during the investigation. As noted in the Phase I ESA, a potential perched water condition was reported at nearby properties at approximately 10 ft bgs.

### **Soil Vapor Investigation**

Two temporary soil vapor points were installed on the first floor of Lot 21, SV-01 and SV-04, located in proximity of the active 4,000-gallon UST, and advanced to a depth of approximately 6 ft bgs. Two temporary sub-slab vapor points (SV-02 and SV-03) were installed in the cellar on Lot 21, with SV-02 installed in proximity of the abandoned 550-gallon USTs and SV-03 installed in the northwestern portion of the cellar. Two temporary sub-slab vapor points (SV-05 and SV-06) were installed in the garages on Lots 44 and 42, respectively. The four sub-slab vapor points were advanced to a depth of approximately 1 ft bgs. Soil vapor logs are included in Attachment B. Soil vapor samples were collected over a 2-hour period into 2.7L stainless-steel summa canisters supplied by the laboratory and analyzed for VOCs by EPA Method TO-15.

### **ANALYTICAL RESULTS**

All samples were collected into laboratory provided containers, placed on ice in coolers, and shipped by courier to Pace Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Analytical results for soil and soil vapor are provided in Tables 1 and 2, respectively, and detections above regulatory criteria and/or guidance values are summarized on Figure 2 and Figure 3, respectively. Laboratory analytical data reports are provided in Attachment C.

#### *Soil*

Soil analytical results were compared to NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted-

Residential Use Soil Cleanup Objectives (RRSCOs) and Protection of Groundwater Soil Cleanup Objectives (PGWSCOs).

Five VOCs were detected at concentrations above UUSCOs, RRSCOs, and/or PGWSCOs in soil samples collected. Three VOCs were detected at concentrations above UUSCOs, RRSCOs, and PGWSCOs in sample SB-07\_2-4, including 1,2,4-trimethylbenzene at a concentration of 230 milligrams per kilogram (mg/kg), 1,3,5-trimethylbenzene at a concentration of 75 mg/kg, and total xylenes at a concentration of 140 mg/kg. Two VOCs were also identified in SB-07\_2-4 above UUSCOs and PGWSCOs, including ethylbenzene at a concentration of 2.1 mg/kg and naphthalene at a concentration of 34 mg/kg. Two VOCs were identified at concentrations above UUSCOs and PGWSCOs in SB-02\_2-4, including 1,2,4-trimethylbenzene at a concentration of 11 mg/kg and total xylenes at an estimated concentration of 1.9 J mg/kg.

Seven SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were detected at concentrations above UUSCOs, RRSCOs, and/or PGWSCOs in soil samples SB-01\_0-2, SB-01\_8-10, SB-04\_0-2, and SB-13\_0-2. Maximum PAH concentrations were observed in SB-13\_0-2, including benzo(a)anthracene (maximum concentration of 47 mg/kg), benzo(a)pyrene (maximum concentration of 43 mg/kg), benzo(b)fluoranthene (maximum concentration of 54 mg/kg), benzo(k)fluoranthene (maximum concentration of 19 mg/kg), chrysene (maximum concentration of 48 mg/kg), dibenzo(a,h)anthracene (maximum concentration of 6.5 mg/kg), and indeno(1,2,3-cd)pyrene (maximum concentration of 28 mg/kg).

Seven metals were detected above UUSCOs, RRSCOs, and/or PGWSCOs in multiple soil samples collected. Lead was detected above UUSCOS, RRSCOs, and PGWSCOs at a maximum concentration of 2,720 mg/kg in SB-13\_5-7. Barium was detected above UUSCOs and RRSCOs at a maximum concentration of 487 mg/kg in SB-09\_3-5. Zinc was detected above UUSCOs and PGWSCOs at a maximum concentration of 3,300 mg/kg in SB-13\_5-7. Copper, mercury, and nickel were detected above UUSCOs at maximum concentrations of 87.4 mg/kg in SB-14\_6-8, 0.714 mg/kg in SB-03\_2-4, and 78 mg/kg in SB-02\_2-4, respectively. Arsenic was detected above UUSCOs in SB-04\_0-2 only at a concentration of 13.4 mg/kg.

*Soil Vapor*

Total VOC concentrations in sub-slab and soil vapor samples ranged from 74.14  $\mu\text{g}/\text{m}^3$  micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) in SV-03 to a maximum concentration of 4,009.90  $\mu\text{g}/\text{m}^3$  in SV-06. Total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations ranged from 7.52  $\mu\text{g}/\text{m}^3$  in SV-01 to a maximum concentration of 2,257.20  $\mu\text{g}/\text{m}^3$  in SV-06. Total CVOC concentrations ranged from non-detect in SV-06 to a maximum concentration of 154.25  $\mu\text{g}/\text{m}^3$  in SV-05

Several petroleum-related VOCs were detected above laboratory reporting limits in multiple soil vapor samples collected, including 1,2,4-trimethylbenzene (maximum concentration of 90.5  $\mu\text{g}/\text{m}^3$  in SV-05), 1,3,5-trimethylbenzene (maximum concentration of 23  $\mu\text{g}/\text{m}^3$  in SV-05), 2,2,4-trimethylpentane (maximum concentration of 45.9  $\mu\text{g}/\text{m}^3$  in SV-02), benzene (maximum concentration of 68.4  $\mu\text{g}/\text{m}^3$  in SV-02), toluene (maximum concentration of 573  $\mu\text{g}/\text{m}^3$  in SV-06), ethylbenzene (maximum concentration of 291  $\mu\text{g}/\text{m}^3$  in SV-06), naphthalene (maximum concentration of 6.29  $\mu\text{g}/\text{m}^3$  in SV-05), and total xylenes (maximum concentration of 1,362  $\mu\text{g}/\text{m}^3$  in SV-06).

Several CVOCs were detected above laboratory detection limits in multiple soil vapor samples collected, including tetrachloroethene (PCE; maximum concentration of 135  $\mu\text{g}/\text{m}^3$  in SV-05), trichloroethene (TCE; maximum concentration of 4.44  $\mu\text{g}/\text{m}^3$  in SV-01), methylene chloride (maximum concentration of 4.93  $\mu\text{g}/\text{m}^3$  in SV-05), and chloroform (maximum concentration of 111  $\mu\text{g}/\text{m}^3$  in SV-01). 1,1,1-trichloroethane was detected above laboratory detection limits in one sub-slab vapor sample, SV-05, at a concentration of 11.6  $\mu\text{g}/\text{m}^3$ .

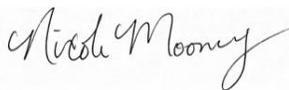
Acetone, n-heptane, and hexane were detected in each soil vapor sample above laboratory detection limits at maximum concentrations of 815  $\mu\text{g}/\text{m}^3$  in SV-06, 56.1  $\mu\text{g}/\text{m}^3$  in SV-06, and 49  $\mu\text{g}/\text{m}^3$  in SV-05, respectively. Ethanol was detected in multiples samples with a maximum concentration of 520  $\mu\text{g}/\text{m}^3$  in SV-06. The emerging contaminant 1,4-dioxane was detected in SV-05 only at a concentration of 5.73  $\mu\text{g}/\text{m}^3$ .

## CONCLUSIONS AND RECOMMENDATIONS

Observations of impacts including petroleum-like odors and elevated PID readings as well as detections of elevated petroleum-related VOCs in soil and VOCs (including petroleum-related VOCs and CVOCs) in soil vapor are indicative of a potential source of contamination or subsurface release. Detections of elevated PAHs and total metals in soil, including lead and mercury, are indicative of contaminated fill material underneath the Site. Additional investigation of the Site is necessary to evaluate the nature and extent of the impacts identified during the Limited Phase II ESI.

Sincerely,

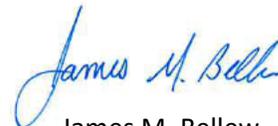
**H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP**



Nicole A. Mooney  
Project Geologist



Luke J. McCartney, P.G.  
Project Manager



James M. Bellew  
Principal

Attachments:

Figure 1 – Site Plan

Figure 2 – Soil Sample Analytical Results

Figure 3 – Soil Vapor Sample Analytical Results

Table 1 – Summary of Analytical Results - Soil

Table 2 – Summary of Analytical Results - Soil Vapor

Attachment A – Soil Boring Logs

Attachment B – Soil Vapor Logs

Attachment C – Laboratory Analytical Data Reports

## FIGURES

C:\S:\FILE PATH\Haleya\aldrich.com\share\CFR\Projects\211280\GIS\211280\_43RD\_ST\_PHASE II.aprx - USER: khresen - LAST SAVED: 10/30/2024 7:01 AM

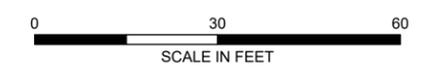


**LEGEND**

- SOIL BORING
- △ SOIL VAPOR PROBE
- ▭ SITE BOUNDARY
- ▭ PARCEL BOUNDARY

**NOTES**

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: KINGS COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 18 JUNE 2024



515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET  
MANHATTAN, NEW YORK

**SITE PLAN**

NOVEMBER 2024

**FIGURE 1**

GIS FILE PATH: \\haleyaldrich.com\share\CFR\Projects\211260\GIS\211260\_43RD\_ST\_PHASE II.aprx - USER: khresen - LAST SAVED: 10/30/2024 7:01 AM

SB-04	07/01/2024 L2437271-01 SB-04_0-2 0 - 2 (ft)	07/01/2024 L2437271-02 SB-04_8-10 8 - 10 (ft)
Total Metals		
Arsenic	13.4	1.49
Barium	356	17.6
Lead	<b>799</b>	4.46
Zinc	407	13.9
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	<b>3.4</b>	0.22
Benzo(a)pyrene	3.6	0.24
Benzo(b)fluoranthene	<b>4.8</b>	0.32
Benzo(k)fluoranthene	1.6	0.093 J
Chrysene	<b>3.8</b>	0.23
Dibenz(a,h)anthracene	<b>0.54</b>	0.043 J
Indeno(1,2,3-cd)pyrene	<b>2.5</b>	0.2

SB-09	10/16/2024 L2460115-01 SB-09_0-2 0 - 2 (ft)	10/16/2024 L2460115-02 SB-09_3-5 3 - 5 (ft)
Total Metals		
Barium	54	<b>487</b>
Copper	10	76.2
Lead	4.7	<b>673</b>
Mercury	ND (0.078)	0.603
Zinc	19.6	398

SB-12	10/16/2024 L2460115-07 SB-12_0-2 0 - 2 (ft)	10/16/2024 L2460115-08 SB-12_8-10 8 - 10 (ft)
Total Metals		
Barium	<b>464</b>	22.2
Copper	17.7	4.51
Lead	<b>493</b>	4.41 J
Mercury	0.576	ND (0.087)
Zinc	261	28.4

SB-13	10/16/2024 L2460115-09 SB-13_0-2 0 - 2 (ft)	10/16/2024 L2460115-10 SB-13_5-7 5 - 7 (ft)
Total Metals		
Barium	81.6	118
Copper	15.2	21
Lead	285	<b>2720</b>
Mercury	0.137	0.597
Zinc	103	<b>3300</b>
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	<b>47</b>	0.041 J
Benzo(a)pyrene	<b>43</b>	ND (0.19)
Benzo(b)fluoranthene	<b>54</b>	0.059 J
Benzo(k)fluoranthene	<b>19</b>	ND (0.14)
Chrysene	<b>48</b>	0.049 J
Dibenz(a,h)anthracene	<b>6.5</b>	ND (0.14)
Indeno(1,2,3-cd)pyrene	<b>28</b>	0.035 J

SB-01	07/01/2024 L2437271-03 SB-01_0-2 0 - 2 (ft)	07/01/2024 L2437271-04 SB-01_8-10 8 - 10 (ft)
Total Metals		
Lead	96.7	<b>486</b>
Zinc	122	324
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	<b>2.2</b>	0.71
Benzo(a)pyrene	2.4	0.88
Benzo(b)fluoranthene	<b>3</b>	1.1
Benzo(k)fluoranthene	1.1	0.37
Chrysene	<b>2.1</b>	0.79
Dibenz(a,h)anthracene	<b>0.36</b>	0.17
Indeno(1,2,3-cd)pyrene	<b>1.6</b>	0.73

SB-14	10/16/2024 L2460115-11 SB-14_0-2 0 - 2 (ft)	10/16/2024 L2460115-12 SB-14_6-8 6 - 8 (ft)
Total Metals		
Barium	78.4	124
Copper	20.4	87.4
Lead	28.3	136
Mercury	ND (0.069)	0.665
Zinc	44.3	168

SB-10	10/16/2024 L2460115-03 SB-10_0-2 0.1 - 2 (ft)	10/16/2024 L2460115-04 SB-10_5-7 5 - 7 (ft)
Total Metals		
Barium	93.2	88.1
Copper	20.7	20.1
Lead	<b>121</b>	14.2
Mercury	0.16	0.049 J
Zinc	92.6	56.4

SB-06	07/01/2024 L2437271-05 SB-06_0-2 0 - 2 (ft)	07/01/2024 L2437271-06 SB-06_7-9 7 - 9 (ft)
Total Metals		
Lead	131	31.7
Mercury	0.215	0.118

SB-05	07/10/2024 L2438736-01 SB-05_0-2 0 - 2 (ft)	07/10/2024 L2438736-02 SB-05_2-4 2 - 4 (ft)
Total Metals		
Lead	39.5	65.9
Mercury	ND (0.072)	0.26
Zinc	34.5	110

SB-07	07/10/2024 L2438736-05 SB-07_2-4 2 - 4 (ft)
Total Metals	
Nickel	57.8
Zinc	191
Semi-Volatile Organic Compounds	
Naphthalene	6.5
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	<b>230</b>
1,3,5-Trimethylbenzene	<b>75</b>
Ethylbenzene	2.1
Naphthalene	<b>34</b>
Xylene (Total)	<b>140</b>

SB-02	07/10/2024 L2438736-03 SB-02_0-2 0 - 2 (ft)	07/10/2024 L2438736-04 SB-02_2-4 2 - 4 (ft)
Total Metals		
Nickel	12.9	78
Volatile Organic Compounds		
1,2,4-Trimethylbenzene	ND (0.0023)	<b>11</b>
Xylene (Total)	ND (0.0011)	<b>1.9 J</b>

**LEGEND**

- SOIL BORING
- △ SOIL VAPOR PROBE
- ▭ SITE BOUNDARY

Total Metals (mg/kg)	NY-PGW	NY-RESR	NY-UNRES
Arsenic	16	16	13
Barium	820	400	350
Copper	1720	270	50
Lead	450	400	63
Mercury	0.73	0.81	0.18
Nickel	130	310	30
Zinc	2480	10000	109
Semi-Volatile Organic Compounds (mg/kg)	NY-PGW	NY-RESR	NY-UNRES
Benzo(a)anthracene	1	1	1
Benzo(a)pyrene	22	1	1
Benzo(b)fluoranthene	1.7	1	1
Benzo(k)fluoranthene	1.7	3.9	0.8
Chrysene	1	3.9	1
Dibenz(a,h)anthracene	1000	0.33	0.33
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5
Volatile Organic Compounds (mg/kg)	NY-PGW	NY-RESR	NY-UNRES
1,2,4-Trimethylbenzene	3.6	52	3.6
1,3,5-Trimethylbenzene	8.4	52	8.4
1,3-Dichlorobenzene	2.4	49	2.4
Ethylbenzene	1	41	1
Naphthalene	12	100	12
Xylene (Total)	1.6	100	0.26

**NOTES**

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCOs), RESTRICTED-RESIDENTIAL SCOs, AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24.
- DEFINITIONS:  
 NY-PGW = NYSDEC PART 375 PROTECTION OF GROUNDWATER CRITERIA  
 NY-RESR = NYSDEC PART 375 RESTRICTED-RESIDENTIAL USE SCO  
 NY-UNRES = NYDEC PART 375 UNRESTRICTED USE SCO
- EXCEEDANCES OF THE NY-UNRES ARE SHADED GRAY. EXCEEDANCES OF THE NY-RESR AND NY-RESR ARE SHADED YELLOW. EXCEEDANCES OF THE NY-PGW ARE SHOWN IN BLACK ITALIC TEXT.
- RESULTS SHOWN IN MILLIGRAMS PER KILOGRAM (mg/kg)
- AERIAL IMAGERY SOURCE: NEARMAP, 8 MARCH 2024



515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET  
MANHATTAN, NEW YORK

**SOIL SAMPLE ANALYTICAL RESULTS**

NOVEMBER 2024

FIGURE 2

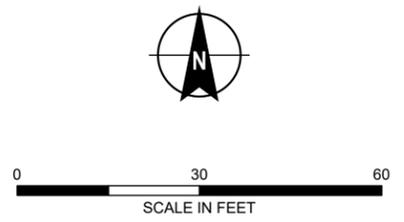
GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\211260\GIS\211260\_43RD\_ST\_PHASE II.aprx - USER: khansen - LAST SAVED: 10/30/2024 7:01 AM



**LEGEND**

- SOIL BORING
- △ SOIL VAPOR PROBE
- ▭ SITE BOUNDARY

- NOTES**
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
  - RESULTS SHOWN IN MICROGRAMS PER CUBIC METER (ug/m<sup>3</sup>).
  - AERIAL IMAGERY SOURCE: NEARMAP, 8 MARCH 2024
  - ALL DETECTED ANALYTES SHOWN ON FIGURE.
  - TOTAL VOCs IS THE SUM OF ALL DETECTED VOCs.
  - TOTAL CVOCs IS THE SUM OF 1,1-DICHLOROETHENE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, CIS-1,2-DICHLOROETHENE, METHYLENE CHLORIDE, TRICHLOROETHENE, TETRACHLOROETHENE, AND VINYL CHLORIDE.
  - TOTAL BTEX IS THE SUM OF BENZENE, ETHYLBENZENE, AND XYLENES.



**HALEY ALDRICH** 515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET  
MANHATTAN, NEW YORK

**SOIL VAPOR SAMPLE ANALYTICAL RESULTS**

NOVEMBER 2024

FIGURE 3

SV-03	07/10/2024 L2438744-02
<b>VOCs</b>	
1,2,4-Trimethylbenzene	2.38
2,2,4-Trimethylpentane	4.6
2-Butanone (Methyl Ethyl Ketone)	1.6
Acetone	7.67
Benzene	11.6
Carbon disulfide	3.46
Chloroform (Trichloromethane)	1.52
Cyclohexane	1.52
Dichlorodifluoromethane (CFC-12)	2.43
Ethylbenzene	1.75
Hexane	6.38
m,p-Xylenes	3.39
Naphthalene	1.22
N-Heptane	2.18
o-Xylene	1.36
Tetrachloroethene	12.8
Tetrahydrofuran	1.57
Toluene	4.94
Trichlorofluoromethane (CFC-11)	1.77
Xylene (Total)	4.75
<b>Calculated Totals</b>	
Total BTEX	23.04
Total CVOCs	12.80
Total VOCs	74.14

SV-05	10/11/2024 L2459445-02
<b>VOCs</b>	
1,1,1-Trichloroethane	11.6
1,2,4-Trimethylbenzene	90.5
1,3,5-Trimethylbenzene	23
1,3-Butadiene	1.3
1,4-Dioxane	5.73
2,2,4-Trimethylpentane	15.9
2-Butanone (Methyl Ethyl Ketone)	7.64
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	19.7
Acetone	152
Benzene	19.6
Carbon disulfide	20.6
Chloroform (Trichloromethane)	28.7
Cyclohexane	12.8
Dichlorodifluoromethane (CFC-12)	2.1
Ethanol	460
Ethylbenzene	165
Hexane	49
Isopropyl Alcohol (2-Propanol)	12.1
m,p-Xylenes	513
Methylene chloride (Dichloromethane)	4.93
Naphthalene	6.29
N-Heptane	53.3
o-Xylene	212
Styrene	1.79
Tert-Butyl Alcohol (tert-Butanol)	7.58
Tetrachloroethene	135
Toluene	228
Trichloroethene	2.72
Xylene (Total)	725
<b>Calculated Totals</b>	
Total BTEX	1137.60
Total CVOCs	154.25
Total VOCs	2261.88

SV-04	07/01/2024 L2437279-01
<b>VOCs</b>	
1,2,4-Trimethylbenzene	2.04
2,2,4-Trimethylpentane	1.65
2-Butanone (Methyl Ethyl Ketone)	2.88
2-Hexanone (Methyl Butyl Ketone)	1.2
Acetone	10.7
Benzene	2.42
Chloroform (Trichloromethane)	103
Chloromethane (Methyl Chloride)	0.597
Cyclohexane	1.07
Dichlorodifluoromethane (CFC-12)	2.53
Ethanol	12
Ethylbenzene	1.43
Hexane	2.02
m,p-Xylenes	5.26
N-Heptane	1.34
o-Xylene	1.99
Tert-Butyl Alcohol (tert-Butanol)	19.2
Tetrachloroethene	6.33
Toluene	7.95
Trichloroethene	2.81
Trichlorofluoromethane (CFC-11)	1.44
Xylene (Total)	7.25
<b>Calculated Totals</b>	
Total BTEX	19.05
Total CVOCs	9.14
Total VOCs	189.86

SV-02	07/10/2024 L2438744-01
<b>VOCs</b>	
1,2,4-Trimethylbenzene	6.15
1,3,5-Trimethylbenzene	3.6
1,3-Butadiene	8.47
2,2,4-Trimethylpentane	45.9
2-Butanone (Methyl Ethyl Ketone)	3.19
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	1.4
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	2.85
Acetone	14.8
Benzene	68.4
Carbon disulfide	2.62
Chloroform (Trichloromethane)	1.19
Chloromethane (Methyl Chloride)	0.824
Cyclohexane	9.4
Dichlorodifluoromethane (CFC-12)	1.96
Ethanol	30.7
Ethylbenzene	11.2
Hexane	37.7
m,p-Xylenes	30.4
Naphthalene	1.64
N-Heptane	12.3
o-Xylene	14.9
Styrene	1.04
Tetrachloroethene	6.16
Toluene	40.3
Xylene (Total)	45.3
<b>Calculated Totals</b>	
Total BTEX	165.20
Total CVOCs	6.16
Total VOCs	357.09

SV-06	10/11/2024 L2459445-01
<b>VOCs</b>	
1,2,4-Trimethylbenzene	73.7
1,3,5-Trimethylbenzene	19.1
2,2,4-Trimethylpentane	24.2
2-Butanone (Methyl Ethyl Ketone)	41.3
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	17.1
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	13.9
Acetone	815
Benzene	31.2
Carbon disulfide	22.4
Cyclohexane	18.1
Ethanol	520
Ethylbenzene	291
Hexane	38.8
Isopropyl Alcohol (2-Propanol)	54.6
m,p-Xylenes	990
N-Heptane	56.1
o-Xylene	372
Styrene	16.8
Tert-Butyl Alcohol (tert-Butanol)	11
Tetrahydrofuran	10.6
Toluene	573
Xylene (Total)	1362
<b>Calculated Totals</b>	
Total BTEX	2257.20
Total VOCs	4009.90

SV-01	07/01/2024 L2437279-02
<b>VOCs</b>	
1,2,4-Trimethylbenzene	1.01
2-Butanone (Methyl Ethyl Ketone)	2.37
Acetone	8.72
Benzene	0.754
Chloroform (Trichloromethane)	111
Dichlorodifluoromethane (CFC-12)	2.48
Hexane	5.64
m,p-Xylenes	2.39
Methylene chloride (Dichloromethane)	3.82
N-Heptane	1.86
o-Xylene	0.973
Tert-Butyl Alcohol (tert-Butanol)	22
Tetrachloroethene	20.1
Toluene	3.4
Trichloroethene	4.44
Trichlorofluoromethane (CFC-11)	1.6
Xylene (Total)	3.36
<b>Calculated Totals</b>	
Total BTEX	7.52
Total CVOCs	28.36
Total VOCs	192.56

## TABLES

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET, NEW YORK, NY**  
**FILE NO: 0211280-000**

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level				SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-07	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14	
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Use Soil Cleanup Objectives - Residential	Unrestricted Use Soil Cleanup Objectives	SB-01_0-2 07/01/2024 L2437271-03 0 - 2 (ft)	SB-01_8-10 07/01/2024 L2437271-04 8 - 10 (ft)	SB-02_0-2 07/10/2024 L2438736-03 0 - 2 (ft)	SB-02_2-4 07/10/2024 L2438736-04 2 - 4 (ft)	SB-03_0-2 07/01/2024 L2437271-07 0 - 2 (ft)	SB-03_2-4 07/01/2024 L2437271-08 2 - 4 (ft)	SB-04_0-2 07/01/2024 L2437271-01 0 - 2 (ft)	SB-04_8-10 07/01/2024 L2437271-02 8 - 10 (ft)	SB-05_0-2 07/10/2024 L2438736-01 0 - 2 (ft)	SB-05_2-4 07/10/2024 L2438736-02 2 - 4 (ft)	SB-06_0-2 07/01/2024 L2437271-05 0 - 2 (ft)	SB-06_7-9 07/01/2024 L2437271-06 7 - 9 (ft)	SB-07_2-4 07/10/2024 L2438736-05 2 - 4 (ft)	SB-09_0-2 10/16/2024 L2460115-01 0 - 2 (ft)	SB-09_3-5 10/16/2024 L2460115-02 3 - 5 (ft)	SB-10_0-2 10/16/2024 L2460115-03 0.1 - 2 (ft)	SB-10_5-7 10/16/2024 L2460115-04 5 - 7 (ft)	SB-11_0-2 10/16/2024 L2460115-05 0 - 2 (ft)	SB-11_3-5 10/16/2024 L2460115-06 3 - 5 (ft)	SB-12_0-2 10/16/2024 L2460115-07 0 - 2 (ft)	SB-12_8-10 10/16/2024 L2460115-08 8 - 10 (ft)	SB-13_0-2 10/16/2024 L2460115-09 0 - 2 (ft)	SB-13_5-7 10/16/2024 L2460115-10 5 - 7 (ft)	SB-14_0-2 10/16/2024 L2460115-11 0 - 2 (ft)	SB-14_6-8 10/16/2024 L2460115-12 6 - 8 (ft)		
<b>Volatile Organic Compounds (mg/kg)</b>																														
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.0007)	ND (0.00054)	ND (0.00057)	ND (0.026)	ND (0.00065)	ND (0.0006)	ND (0.00056)	ND (0.00054)	ND (0.00052)	ND (0.00052)	ND (0.00067)	ND (0.00082)	ND (0.33)	ND (0.00053)	ND (0.00098)	ND (0.00068)	ND (0.0006)	ND (0.00057)	ND (0.0005)	ND (0.001)	ND (0.00059)	ND (0.0011)	ND (0.06)	ND (0.00066)	ND (0.00097)		
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.0007)	ND (0.00054)	ND (0.00057)	ND (0.026)	ND (0.00065)	ND (0.0006)	ND (0.00056)	ND (0.00054)	ND (0.00052)	ND (0.00052)	ND (0.00067)	ND (0.00082)	ND (0.33)	ND (0.00053)	ND (0.00098)	ND (0.00068)	ND (0.0006)	ND (0.00057)	ND (0.0005)	ND (0.001)	ND (0.00059)	ND (0.0011)	ND (0.06)	ND (0.00066)	ND (0.00097)		
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0007)	ND (0.00054)	ND (0.00057)	ND (0.026)	ND (0.00065)	ND (0.0006)	ND (0.00056)	ND (0.00054)	ND (0.00052)	ND (0.00052)	ND (0.00067)	ND (0.00082)	ND (0.33)	ND (0.00053)	ND (0.00098)	ND (0.00068)	ND (0.0006)	ND (0.00057)	ND (0.0005)	ND (0.001)	ND (0.00059)	ND (0.0011)	ND (0.06)	ND (0.00066)	ND (0.00097)		
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,1-Dichloroethane	0.27	26	0.27	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,1-Dichloroethane	0.33	100	0.33	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,1-Dichloropropene	NA	NA	NA	ND (0.0007)	ND (0.00054)	ND (0.00057)	ND (0.026)	ND (0.00065)	ND (0.0006)	ND (0.00056)	ND (0.00054)	ND (0.00052)	ND (0.00052)	ND (0.00067)	ND (0.00082)	ND (0.33)	ND (0.00053)	ND (0.00098)	ND (0.00068)	ND (0.0006)	ND (0.00057)	ND (0.0005)	ND (0.001)	ND (0.00059)	ND (0.0011)	ND (0.06)	ND (0.00066)	ND (0.00097)		
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	3.1	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	29	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	0.053 J	0.0014 J	ND (0.0039)		
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0028)	ND (0.0022)	ND (0.0023)	<b>11</b>	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	<b>230</b>	ND (0.0021)	ND (0.0039)	0.0077	0.00054 J	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	0.33	0.0045	ND (0.0039)		
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0042)	ND (0.0033)	ND (0.0034)	ND (0.16)	ND (0.0039)	ND (0.0036)	ND (0.0033)	ND (0.0032)	ND (0.0031)	ND (0.0031)	ND (0.004)	ND (0.0049)	ND (2)	ND (0.0032)	ND (0.0059)	ND (0.0041)	ND (0.0036)	ND (0.0034)	ND (0.003)	ND (0.0063)	ND (0.0035)	ND (0.0066)	ND (0.36)	ND (0.004)	ND (0.0058)		
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.0021)	ND (0.0039)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,2-Dichloroethane (total)	NA	NA	NA	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,2-Dichloropropane	NA	NA	NA	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.052)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.0016)	ND (0.65)	ND (0.001)	ND (0.002)	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00099)	ND (0.0021)	ND (0.0012)	ND (0.0022)	ND (0.12)	ND (0.0013)	ND (0.0019)		
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0028)	ND (0.0022)	ND (0.0023)	3	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	<b>75</b>	ND (0.0021)	ND (0.0039)	0.003	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	0.14 J	0.00096 J	ND (0.0039)		
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,3-Dichloropropane	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,3-Dichloropropene	NA	NA	NA	ND (0.0007)	ND (0.00054)	ND (0.00057)	ND (0.026)	ND (0.00065)	ND (0.0006)	ND (0.00056)	ND (0.00054)	ND (0.00052)	ND (0.00052)	ND (0.00067)	ND (0.00082)	ND (0.33)	ND (0.00053)	ND (0.00098)	ND (0.00068)	ND (0.0006)	ND (0.00057)	ND (0.0005)	ND (0.001)	ND (0.00059)	ND (0.0011)	ND (0.06)	ND (0.00066)	ND (0.00097)		
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
1,4-Diethylbenzene	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	7.9	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	97	ND (0.0021)	ND (0.0039)	0.0014 J	0.00035 J	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	0.18 J	0.0024 J	ND (0.0039)		
1,4-Dioxane	0.1	13	0.1	ND (0.11)	ND (0.087)	ND (0.091)	ND (4.2)	ND (0.1)	ND (0.096)	ND (0.089)	ND (0.087)	ND (0.083)	ND (0.083)	ND (0.11)	ND (0.13)	ND (52)	ND (0.084)	ND (0.16)	ND (0.11)	ND (0.096)	ND (0.091)	ND (0.079)	ND (0.17)	ND (0.094)	ND (0.17)	ND (9.7)	0.052 J	ND (0.16)		
2,2-Dichloropropane	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0027)	ND (0.0033)	ND (1.3)	ND (0.0021)	ND (0.0039)	ND (0.0027)	ND (0.0024)	ND (0.0023)	ND (0.002)	ND (0.0042)	ND (0.0024)	ND (0.0044)	ND (0.24)	ND (0.0026)	ND (0.0039)		
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.014)	ND (0.011)	ND (0.011)	ND (0.52)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.016)	ND (6.5)	ND (0.01)	ND (0.02)	ND (0.014)	ND (0.012)	ND (0.011)	ND (0.0099)	ND (0.021)	ND (0.012)	ND (0.022)	ND (1.2)	ND (0.013)	ND (0.019)		
2-Chlorotoluene	NA	NA	NA	ND (0.0028)	ND (0.0022)	ND (0.0023)	ND (0.1)	ND (0.0026																						

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET, NEW YORK, NY**  
**FILE NO: 0211280-000**

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-07	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14	
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Use Soil Cleanup Objectives - Residential	Unrestricted Use Soil Cleanup Objectives	SB-01_0-2 07/01/2024 L2437271-03 0 - 2 (ft)	SB-01_8-10 07/01/2024 L2437271-04 8 - 10 (ft)	SB-02_0-2 07/01/2024 L2438736-03 0 - 2 (ft)	SB-02_2-4 07/01/2024 L2438736-04 2 - 4 (ft)	SB-03_0-2 07/01/2024 L2437271-07 0 - 2 (ft)	SB-03_2-4 07/01/2024 L2437271-08 2 - 4 (ft)	SB-04_0-2 07/01/2024 L2437271-01 0 - 2 (ft)	SB-04_8-10 07/01/2024 L2437271-02 8 - 10 (ft)	SB-05_0-2 07/10/2024 L2438736-01 0 - 2 (ft)	SB-05_2-4 07/10/2024 L2438736-02 2 - 4 (ft)	SB-06_0-2 07/01/2024 L2437271-05 0 - 2 (ft)	SB-06_7-9 07/01/2024 L2437271-06 7 - 9 (ft)	SB-07_2-4 07/01/2024 L2438736-05 2 - 4 (ft)	SB-09_0-2 10/16/2024 L2460115-01 0 - 2 (ft)	SB-09_3-5 10/16/2024 L2460115-02 3 - 5 (ft)	SB-10_0-2 10/16/2024 L2460115-03 0.1 - 2 (ft)	SB-10_5-7 10/16/2024 L2460115-04 5 - 7 (ft)	SB-11_0-2 10/16/2024 L2460115-05 0 - 2 (ft)	SB-11_3-5 10/16/2024 L2460115-06 3 - 5 (ft)	SB-12_0-2 10/16/2024 L2460115-07 0 - 2 (ft)	SB-12_8-10 10/16/2024 L2460115-08 8 - 10 (ft)	SB-13_0-2 10/16/2024 L2460115-09 0 - 2 (ft)	SB-13_5-7 10/16/2024 L2460115-10 5 - 7 (ft)	SB-14_0-2 10/16/2024 L2460115-11 0 - 2 (ft)	SB-14_6-8 10/16/2024 L2460115-12 6 - 8 (ft)	
<b>Semi-Volatile Organic Compounds (mg/kg)</b>																													
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
1,4-Dioxane	0.1	13	0.1	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.051)	ND (0.028)	ND (0.028)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.029)	ND (0.029)	ND (0.027)	ND (0.026)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.028)	ND (0.03)	ND (0.56)	ND (0.035)	ND (0.026)	ND (0.029)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.41)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.23)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.24)	ND (0.5)	ND (0.28)	ND (0.21)	ND (0.23)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.2)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (2.3)	ND (0.14)	ND (0.17)	ND (0.12)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.18)	ND (3.4)	ND (0.21)	ND (0.16)	ND (0.18)	ND (0.18)
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2,4-Dinitrophenol	NA	NA	NA	ND (0.87)	ND (0.86)	ND (0.85)	ND (1.6)	ND (0.88)	ND (0.88)	ND (0.87)	ND (0.84)	ND (0.91)	ND (0.82)	ND (0.88)	ND (0.87)	ND (0.92)	ND (0.86)	ND (0.83)	ND (0.85)	ND (0.84)	ND (0.87)	ND (0.86)	ND (0.88)	ND (0.96)	ND (1.8)	ND (1.1)	ND (0.84)	ND (0.94)	ND (0.94)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2-Methylnaphthalene	NA	NA	NA	0.072 J	ND (0.22)	ND (0.21)	0.12 J	0.15 J	ND (0.22)	0.31	ND (0.18)	ND (0.23)	ND (0.2)	ND (0.22)	ND (0.22)	8.8	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.21)	0.089 J	ND (0.24)	3 J	ND (0.28)	0.26	ND (0.23)	ND (0.23)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
2-Nitrophenol	NA	NA	NA	ND (0.39)	ND (0.39)	ND (0.38)	ND (0.74)	ND (0.4)	ND (0.4)	ND (0.39)	ND (0.38)	ND (0.41)	ND (0.37)	ND (0.39)	ND (0.39)	ND (0.42)	ND (0.38)	ND (0.37)	ND (0.38)	ND (0.38)	ND (0.39)	ND (0.39)	ND (0.4)	ND (0.43)	ND (8.1)	ND (0.5)	ND (0.38)	ND (0.42)	ND (0.42)
3&4-Methylphenol	NA	NA	NA	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.49)	ND (0.26)	ND (0.26)	0.077 J	ND (0.25)	ND (0.27)	ND (0.25)	ND (0.26)	ND (0.26)	0.14 J	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.29)	ND (5.4)	0.051 J	ND (0.25)	ND (0.28)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.47)	ND (0.47)	ND (0.46)	ND (0.89)	ND (0.48)	ND (0.48)	ND (0.47)	ND (0.46)	ND (0.49)	ND (0.44)	ND (0.48)	ND (0.47)	ND (0.5)	ND (0.46)	ND (0.45)	ND (0.46)	ND (0.45)	ND (0.47)	ND (0.46)	ND (0.48)	ND (0.52)	ND (9.8)	ND (0.61)	ND (0.45)	ND (0.51)	ND (0.51)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4-Chloroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.34)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.18)	ND (0.2)	ND (3.8)	ND (0.23)	ND (0.17)	ND (0.2)
4-Nitrophenol	NA	NA	NA	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.48)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.24)	ND (0.26)	ND (0.24)	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.28)	ND (5.3)	ND (0.33)	ND (0.24)	ND (0.24)	ND (0.27)	ND (0.27)

**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL**  
**515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET, NEW YORK, NY**  
**FILE NO: 0211280-000**

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-07	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Use Soil Cleanup Objectives - Residential	Unrestricted Use Soil Cleanup Objectives	SB-01_0-2 07/01/2024 L2437271-03 0 - 2 (ft)	SB-01_8-10 07/01/2024 L2437271-04 8 - 10 (ft)	SB-02_0-2 07/10/2024 L2438736-03 0 - 2 (ft)	SB-02_2-4 07/10/2024 L2438736-04 2 - 4 (ft)	SB-03_0-2 07/01/2024 L2437271-07 0 - 2 (ft)	SB-03_2-4 07/01/2024 L2437271-08 2 - 4 (ft)	SB-04_0-2 07/01/2024 L2437271-01 0 - 2 (ft)	SB-04_8-10 07/01/2024 L2437271-02 8 - 10 (ft)	SB-05_0-2 07/10/2024 L2438736-01 0 - 2 (ft)	SB-05_2-4 07/10/2024 L2438736-02 2 - 4 (ft)	SB-06_0-2 07/01/2024 L2437271-05 0 - 2 (ft)	SB-06_7-9 07/01/2024 L2437271-06 7 - 9 (ft)	SB-07_2-4 07/10/2024 L2438736-05 2 - 4 (ft)	SB-09_0-2 10/16/2024 L2460115-01 0 - 2 (ft)	SB-09_3-5 10/16/2024 L2460115-02 3 - 5 (ft)	SB-10_0-2 10/16/2024 L2460115-03 0.1 - 2 (ft)	SB-10_5-7 10/16/2024 L2460115-04 5 - 7 (ft)	SB-11_0-2 10/16/2024 L2460115-05 0 - 2 (ft)	SB-11_3-5 10/16/2024 L2460115-06 3 - 5 (ft)	SB-12_0-2 10/16/2024 L2460115-07 0 - 2 (ft)	SB-12_8-10 10/16/2024 L2460115-08 8 - 10 (ft)	SB-13_0-2 10/16/2024 L2460115-09 0 - 2 (ft)	SB-13_5-7 10/16/2024 L2460115-10 5 - 7 (ft)	SB-14_0-2 10/16/2024 L2460115-11 0 - 2 (ft)	SB-14_6-8 10/16/2024 L2460115-12 6 - 8 (ft)
<b>Inorganic Compounds (mg/kg)</b>																												
Aluminum	NA	NA	NA	5290	4700	4370	22600	9080	11400	4540	3010	6000	6650	5960	6520	20900	5800	5900	5820	10700	10100	6430	6670	3600	4970	5360	7890	5770
Antimony	NA	NA	NA	0.708 J	1.47 J	ND (4.17)	ND (3.92)	0.487 J	ND (4.44)	1.2 J	ND (4.26)	0.561 J	ND (4.03)	ND (4.25)	ND (4.38)	ND (4.55)	ND (4.33)	2.05 J	0.39 J	ND (4.29)	ND (4.34)	ND (4.1)	4.52	ND (4.62)	ND (4.5)	2.1 J	ND (4.21)	0.861 J
Arsenic	16	16	13	7.01	10.6	2.26	1.38	4.61	2.78	13.4	1.49	7.68	1.98	8.9	3.38	4.69	1.55	5.01	3.28	2.33	3.07	1.46	6.86	0.695 J	4.14	4.84	3.22	4.4
Barium	820	400	350	191	165	54.8	182	84.9	93.6	356	17.6	77.3	52.4	89.6	58.7	168	54	487	93.2	88.1	73.6	65.6	22.2	81.6	118	78.4	124	
Beryllium	47	72	7.2	0.313 J	0.24 J	0.344 J	1.45	0.474	1.2	0.234 J	0.328 J	0.362 J	1.41	0.287 J	0.328 J	4.88	0.291 J	0.358 J	0.321 J	0.563	0.46	0.379 J	0.363 J	0.139 J	0.247 J	0.263 J	0.273 J	0.258 J
Cadmium	7.5	4.3	2.5	ND (0.877)	0.193 J	0.979	ND (0.784)	ND (0.885)	ND (0.889)	ND (0.848)	ND (0.851)	ND (0.894)	ND (0.806)	ND (0.85)	ND (0.877)	ND (0.911)	ND (0.867)	0.647 J	0.086 J	ND (0.859)	ND (0.869)	ND (0.819)	0.249 J	ND (0.924)	ND (0.9)	1.56	ND (0.843)	ND (0.935)
Calcium	NA	NA	NA	44600	36500	14000	3200	80600	34400	59400	1140	16600	1640	61600	14700	6430	1780	12000	9490	3500	1160	946	40800	1390	54000	63300	33700	36400
Chromium	NA	NA	NA	18.1	17.5	10	104	11.2	48.4	22.7	8.6	22.7	9.17	21.1	16.4	73.8	12.5	13.6	12.6	32.9	19.6	14.5	14	12.9	10.2	25.6	14.6	9.28
Cobalt	NA	NA	NA	3.37	5.23	3.58	14.6	3.56	8.47	3.35	4.09	5.54	4.02	3.99	2.84	14.8	7.1	5.48	4.24	7.29	8.19	4.97	3.73	1.24 J	3.21	6.26	5.28	6.28
Copper	1720	270	50	21.1	22.9	15.6	32	15	12.8	18.5	7.31	37	7.33	19.2	11.7	1.84	10	76.2	20.7	20.1	20	19.3	17.7	4.51	15.2	21	20.4	87.4
Iron	NA	NA	NA	12000	19600	9500	29200	10200	19300	38700	6800	22500	14500	12300	10000	37300	13300	15300	11200	18500	18800	11200	8690	3540	8060	9830	13100	20600
Lead	450	400	63	96.7	486	37	3.88 J	184	54.6	799	4.46	39.5	65.9	131	31.7	20.3	4.7	673	121	14.2	21.4	7.46	493	4.41 J	285	2720	28.3	136
Magnesium	NA	NA	NA	4480	4610	1770	18200	5160	7140	8490	1950	2190	3690	4660	2250	14300	1870	2140	2320	5590	3530	2630	2100	1040	2890	4200	4490	5550
Manganese	2000	2000	1600	169	289	114	848	191	389	264	60.1	213	408	204	152	1110	479	330	192	285	420	368	201	28.3	167	215	126	275
Mercury	0.73	0.81	0.18	0.087	0.109	ND (0.069)	ND (0.066)	0.286	0.714	0.122	ND (0.081)	ND (0.072)	0.26	0.215	0.118	ND (0.076)	ND (0.078)	0.603	0.16	0.049 J	ND (0.081)	ND (0.084)	0.576	ND (0.087)	0.137	0.597	ND (0.069)	0.665
Nickel	130	310	30	11.3	12.8	12.9	78	9.48	33.7	12.1	11.2	16.7	9.92	9.57	8.57	57.8	8.82	30	12.1	23.3	15.1	10.8	13.6	3.36	13.3	17	10.8	11
Potassium	NA	NA	NA	1270	1120	1820	16700	1060	2530	968	940	2290	5030	1690	836	12000	1210	1440	889	5190	2140	1820	747	354	773	777	2780	1510
Selenium	4	180	3.9	ND (1.75)	ND (1.68)	ND (1.67)	0.256 J	ND (1.77)	ND (1.78)	ND (1.7)	ND (1.7)	0.27 J	0.236 J	ND (1.7)	ND (1.75)	ND (1.82)	ND (1.73)	0.286 J	ND (1.67)	ND (1.72)	ND (1.74)	ND (1.64)	0.616 J	ND (1.85)	ND (1.8)	ND (2.15)	ND (1.68)	0.803 J
Silver	8.3	180	2	ND (0.438)	ND (0.42)	ND (0.417)	ND (0.392)	ND (0.443)	ND (0.444)	ND (0.424)	ND (0.426)	ND (0.447)	ND (0.403)	ND (0.425)	ND (0.438)	ND (0.455)	ND (0.433)	0.306 J	ND (0.418)	ND (0.429)	ND (0.434)	ND (0.41)	ND (0.444)	ND (0.462)	ND (0.45)	ND (0.538)	ND (0.421)	ND (0.467)
Sodium	NA	NA	NA	733	222	398	768	582	257	508	99.1 J	390	70.3 J	811	539	903	376	640	720	820	258	145 J	688	97.7 J	751	657	847	271
Thallium	NA	NA	NA	ND (1.75)	ND (1.68)	0.405 J	1.68 J	0.396 J	0.447 J	ND (1.7)	ND (1.7)	0.447 J	0.651 J	0.314 J	ND (1.75)	1.49 J	ND (1.73)	ND (1.67)	ND (1.67)	0.327 J	ND (1.74)	ND (1.64)	ND (1.78)	ND (1.85)	ND (1.8)	ND (2.15)	0.34 J	ND (1.87)
Vanadium	NA	NA	NA	23.3	23.1	14.8	61.1	17.5	29.3	26.8	9.86	20.5	7.25	19.7	16.9	42.5	14	19.5	16.8	25.9	25.5	20.2	33.6	8.65	23.3	13.5	28.2	15.4
Zinc	2480	10000	109	122	324	109	101	80.1	83.2	407	13.9	34.5	110	49.4	30	191	19.6	398	92.6	56.4	28.1	22	261	28.4	103	3300	44.3	168
<b>Other</b>																												
Total Solids (%)	NA	NA	NA	90.5	91.4	92.7	95.7	88.8	88.3	90.8	93.1	87	96.2	90.9	89.4	84.8	91.2	94	91.9	93	90.6	92.2	88.8	82.6	88	70.1	93.3	83.3

**ABBREVIATIONS AND NOTES:**  
mg/kg: milligram per kilogram  
--: Not Analyzed  
bgs: below ground surface  
ft: feet  
J: Value is estimated.  
NA: Not Applicable  
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit  
- For test methods used, see the laboratory data sheets.  
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted-Use Residential SCOs, and Protection of Groundwater SCO's.  
- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.  
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.  
- Yellow shading indicates an exceedance of the Restricted Use Residential Soil Cleanup Objectives.

**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS - SOIL VAPOR**  
**515-519 WEST 43RD STREET AND 514-518 WEST 44TH STREET, NEW YORK, NY**  
**FILE NO. 0211280-000**

Location Name	SV-01	SV-02	SV-03	SV-04	SV-05	SV-06
Sample Name	SV-01-20240701	SV-2-20240710	SV-3-20240710	SV-04-20240701	SV-05-20241011	SV-06-20241011
Sample Date	07/01/2024	07/10/2024	07/10/2024	07/01/2024	10/11/2024	10/11/2024
Lab Sample ID	L2437279-02	L2438744-01	L2438744-02	L2437279-01	L2459445-02	L2459445-01
<b>Volatile Organic Compounds µg/m<sup>3</sup></b>						
1,1,1-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)	11.6	ND (6.82)
1,1,2,2-Tetrachloroethane	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)	ND (2.75)	ND (8.58)
1,1,2-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)	ND (2.18)	ND (6.82)
1,1-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (1.62)	ND (5.06)
1,1-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)	ND (1.59)	ND (4.96)
1,2,4-Trichlorobenzene	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)	ND (2.97)	ND (9.28)
1,2,4-Trimethylbenzene	1.01	6.15	2.38	2.04	90.5	73.7
1,2-Dibromoethane (Ethylene Dibromide)	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)	ND (3.07)	ND (9.61)
1,2-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (2.4)	ND (7.52)
1,2-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (1.62)	ND (5.06)
1,2-Dichloropropane	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (1.85)	ND (5.78)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (2.8)	ND (8.74)
1,3,5-Trimethylbenzene	ND (0.983)	3.6	ND (0.983)	ND (0.983)	23	19.1
1,3-Butadiene	ND (0.442)	8.47	ND (0.442)	ND (0.442)	1.3	ND (2.77)
1,3-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (2.4)	ND (7.52)
1,4-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (2.4)	ND (7.52)
1,4-Dioxane	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	5.73	ND (4.5)
2,2,4-Trimethylpentane	ND (0.934)	45.9	4.6	1.65	15.9	24.2
2-Butanone (Methyl Ethyl Ketone)	2.37	3.19	1.6	2.88	7.64	41.3
2-Hexanone (Methyl Butyl Ketone)	ND (0.82)	ND (0.82)	ND (0.82)	1.2	ND (1.64)	ND (5.12)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	ND (0.983)	1.4	ND (0.983)	ND (0.983)	19.7	17.1
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2.05)	2.85	ND (2.05)	ND (2.05)	ND (4.1)	13.9
Acetone	8.72	14.8	7.67	10.7	152	815
Allyl chloride	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)	ND (1.25)	ND (3.91)
Benzene	0.754	68.4	11.6	2.42	19.6	31.2
Benzyl Chloride (alpha-Chlorotoluene)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (2.07)	ND (6.47)
Bromodichloromethane	ND (1.34)	ND (1.34)	ND (1.34)	ND (1.34)	ND (2.68)	ND (8.37)
Bromoform	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)	ND (4.14)	ND (12.9)
Bromomethane (Methyl Bromide)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (1.55)	ND (4.85)
Carbon disulfide	ND (0.623)	2.62	3.46	ND (0.623)	20.6	22.4
Carbon tetrachloride	ND (1.26)	ND (1.26)	ND (1.26)	ND (1.26)	ND (2.52)	ND (7.86)
Chlorobenzene	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)	ND (1.84)	ND (5.76)
Chloroethane	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)	ND (1.06)	ND (3.3)
Chloroform (Trichloromethane)	111	1.19	1.52	103	28.7	ND (6.1)
Chloromethane (Methyl Chloride)	ND (0.413)	0.824	ND (0.413)	0.597	ND (0.826)	ND (2.58)
cis-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)	ND (1.59)	ND (4.96)
cis-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (1.82)	ND (5.67)
Cyclohexane	ND (0.688)	9.4	1.52	1.07	12.8	18.1
Dibromochloromethane	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (3.41)	ND (10.6)
Dichlorodifluoromethane (CFC-12)	2.48	1.96	2.43	2.53	2.1	ND (6.18)
Ethanol	ND (9.42)	30.7	ND (9.42)	12	460	520
Ethyl acetate	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (3.6)	ND (11.2)
Ethylbenzene	ND (0.869)	11.2	1.75	1.43	165	291
Hexachlorobutadiene	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (4.27)	ND (13.3)
Hexane	5.64	37.7	6.38	2.02	49	38.8
Isopropyl Alcohol (2-Propanol)	ND (1.23)	ND (1.23)	ND (1.23)	ND (1.23)	12.1	54.6
m,p-Xylenes	2.39	30.4	3.39	5.26	513	990
Methyl Tert Butyl Ether (MTBE)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (1.44)	ND (4.51)
Methylene chloride (Dichloromethane)	3.82	ND (1.74)	ND (1.74)	ND (1.74)	4.93	ND (10.8)
Naphthalene	ND (1.05)	1.64	1.22	ND (1.05)	6.29	ND (6.55)
N-Heptane	1.86	12.3	2.18	1.34	53.3	56.1
o-Xylene	0.973	14.9	1.36	1.99	212	372
Styrene	ND (0.852)	1.04	ND (0.852)	ND (0.852)	1.79	16.8
Tert-Butyl Alcohol (tert-Butanol)	22	ND (1.52)	ND (1.52)	19.2	7.58	11
Tetrachloroethene	20.1	6.16	12.8	6.33	135	ND (8.48)
Tetrahydrofuran	ND (1.47)	ND (1.47)	1.57	ND (1.47)	ND (2.95)	10.6
Toluene	3.4	40.3	4.94	7.95	228	573
trans-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)	ND (1.59)	ND (4.96)
trans-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (1.82)	ND (5.67)
Trichloroethene	4.44	ND (1.07)	ND (1.07)	2.81	2.72	ND (6.72)
Trichlorofluoromethane (CFC-11)	1.6	ND (1.12)	1.77	1.44	ND (2.25)	ND (7.02)
Trifluorotrchloroethane (Freon 113)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (3.07)	ND (9.58)
Vinyl Bromide (Bromoethene)	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)	ND (1.75)	ND (5.47)
Vinyl chloride	ND (0.511)	ND (0.511)	ND (0.511)	ND (0.511)	ND (1.02)	ND (3.2)
Xylene (Total)	3.36	45.3	4.75	7.25	725	1362
Total BTEX	7.52	165.20	23.04	19.05	1137.60	2257.20
Total CVOCs	28.36	6.16	12.80	9.14	154.25	ND
Total VOCs	192.56	357.09	74.14	189.86	2261.88	4009.90

**Notes and Abbreviations:**

µg/m<sup>3</sup> : micrograms per cubic meter

All results displayed in µg/m<sup>3</sup>.

ND = non-detect

Total CVOCs = the sum of 1,1-dichloroethene, 1,1,1-trichloroethane, cis-1,2-dichloroethene, methylene chloride, tetrachloroethene, trichloroethene, and vinyl chloride

Total BTEX = the sum of benzene, toluene, ethylbenzene, and total xylenes

Haley & Aldrich, Inc.

\\haleyaldrich.com\share\CF\Projects\0211280\Deliverables\2. Limited Phase II Letter\2. Tables\Table 2 - 2024-1030-HAI Soil Gas Summary.xlsx

**ATTACHMENT A**  
**SOIL BORING LOGS**



# SOIL BORING LOG

BORING NO.

**SB-01**

Page 1 of 1

PROJECT 515-519 West 43rd Street  
 LOCATION 515-519 West 43rd Street and 514-518 West 44th Street  
 CLIENT BH Group 43 LLC  
 CONTRACTOR Lakewood Environmental Services, Corp.  
 DRILLER T. Kelly

PROJECT # 211280  
 PROJECT MGR. M. Conlon  
 FIELD REP. N. Manzione  
 DATE STARTED 7/1/2024  
 DATE FINISHED 7/1/2024

Elevation	ft.	Datum	Boring Location	See Plan			
Item	Casing	Sampler	Rig Make & Model	Jack Hammer Rig	Surface Conditions	Drilling Notes	
Type	Steel	Macrocore	Completion Depth (ft.)	9.5	Concrete		
Inside Diameter (in.)	1	1	Drilling Method	Direct Push			
Hammer Weight (lb.)	N/A	N/A	Number of Samples				2
Hammer Fall (in.)	N/A	N/A					

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0 - 0.5	Concrete	
1	24/24	0	None	Dry	0.5-1	Light brown, medium SAND, some pebbles, some coarse gravel, brick [FILL]	SB-01_02
2		0	None	Dry	1-2	Brown, medium to coarse SAND, some pebbles and coarse gravel, brick [FILL]	
3	14/24	0	None	Dry	2-3.5	Brown, medium to coarse SAND, some pebbles and coarse gravel, brick [FILL]	
4		0	None	Dry	4-5.5	Brown, medium to coarse SAND, some pebbles and coarse gravel, brick [FILL]	
5	18/24	0	None	Dry			
6	14/24	0	None	Dry	6-7.5	Brown coarse SAND, some pebbles, some brick [FILL]	
7		0	None	Dry			
8	16/24	0	None	Dry	8-9	Brown coarse SAND, some pebbles, some brick [FILL]	
9		0	None	Dry	9-9.5	Brown, fine SAND [SP]	SB-01_8-10
10						End of Boring at 9.5 ft bgs	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data			Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	
			Water				Overburden (Linear ft.) 9.5
							Rock Cored (Linear ft.) 0
							Number of Samples 2
BORING NO.							SB-01

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

SB-02

Page 1 of 1

PROJECT 515-519 West 43rd Street  
 LOCATION 515-519 West 43rd Street and 514-518 West 44th Street  
 CLIENT BH Group 43 LLC  
 CONTRACTOR Lakewood Environmental Services, Corp.  
 DRILLER T. Kelly

PROJECT # 211280  
 PROJECT MGR. M. Conlon  
 FIELD REP. N. Manzione  
 DATE STARTED 7/10/2024  
 DATE FINISHED 7/10/2024

Elevation	ft.	Datum	Boring Location	See Plan
Item	Casing	Sampler	Rig Make & Model	Jack Hammer Rig
Type	Steel	Macrocore	Completion Depth (ft.)	4.5
Inside Diameter (in.)	1	1	Drilling Method	Direct Push
Hammer Weight (lb.)	N/A	N/A	Number of Samples	2
Hammer Fall (in.)	N/A	N/A	Surface Conditions	Concrete

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.5	Concrete	SB-02_0-2
1		0	None	Dry	0.5-1.5	Brown, silty medium SAND, weathered rock [SM]	
2		0	None	Dry	1.5-2.5	Tan to brown, silty medium SAND, weathered rock [SM]	SB-02_2-4
3	45/48	105.1	Yes	Dry	2.5-4	Gray, silty medium SAND [SM]	PID readings and odors between 2.5 and 3.5 ft bgs
4		240.7	Yes			End of boring at 4 ft bgs	
5							Refusal at 4 ft bgs
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data			Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	
			Water				Overburden (Linear ft.) 4
							Rock Cored (Linear ft.) 0
							Number of Samples 2
						BORING NO.	SB-02

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

**BORING NO.**

**SB-03**

Page 1 of 1

**PROJECT** 515-519 West 43rd Street  
**LOCATION** 515-519 West 43rd Street and 514-518 West 44th Street  
**CLIENT** BH Group 43 LLC  
**CONTRACTOR** Lakewood Environmental Services, Corp.  
**DRILLER** T. Kelly

**PROJECT #** 211280  
**PROJECT MGR.** M. Conlon  
**FIELD REP.** N. Manzione  
**DATE STARTED** 7/1/2024  
**DATE FINISHED** 7/1/2024

Elevation	ft.	Datum	Boring Location See Plan			
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>	Jack Hammer Rig	<b>Surface Conditions</b>	
Type	Steel	Macrocore	<b>Completion Depth (ft.)</b>	3.5	Concrete	
Inside Diameter (in.)	1	1	<b>Drilling Method</b>	Direct Push		
Hammer Weight (lb.)	N/A	N/A	<b>Number of Samples</b>			2
Hammer Fall (in.)	N/A	N/A				

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.5	Concrete	
1	18/24	0	None	Dry	0.5-3.5	Dark brown, medium to coarse SAND, some coarse gravel, pebbles, trace weathered rock [SP]	SB-03_0-2
2	18/24	0	None	Dry			SB-03_2-4
3						End of boring at 3.5 ft bgs	Refusal at 3.5 ft bgs
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes		
			Water				Overburden (Linear ft.)	3.5
							Rock Cored (Linear ft.)	0
							Number of Samples	2
							<b>BORING NO.</b>	<b>SB-03</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-04**

Page 1 of 1

**PROJECT** 515-519 West 43rd Street  
**LOCATION** 515-519 West 43rd Street and 514-518 West 44th Street  
**CLIENT** BH Group 43 LLC  
**CONTRACTOR** Lakewood Environmental Services, Corp.  
**DRILLER** T. Kelly

**PROJECT #** 211280  
**PROJECT MGR.** M. Conlon  
**FIELD REP.** N. Manzione  
**DATE STARTED** 7/1/2024  
**DATE FINISHED** 7/1/2024

Elevation	ft.	Datum	Boring Location See Plan		
Item	Casing	Sampler	Rig Make & Model	Jack Hammer Rig	Surface Conditions
Type	Steel	Macrocore	Completion Depth (ft.)	9	Concrete
Inside Diameter (in.)	1	1	Drilling Method	Direct Push	
Hammer Weight (lb.)	N/A	N/A	Number of Samples		
Hammer Fall (in.)	N/A	N/A			

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.5	Concrete	SB-04_0-2
1	36/36	0	None	Dry	0.5-3	Brown, medium to coarse SAND, brick, some pebbles, cobbles [FILL]	
2							
3	10/24	0	None	Dry	3-4	Brown, medium to coarse SAND, crushed brick, some pebbles [FILL]	
4							
5		0	None	Dry	5-5.5	Brown, medium to coarse SAND, some pebbles, crushed brick [FILL]	
		0	None	Dry	5.5-6	Tan coarse SAND, trace pebbles [FILL]	
6	16/24	0	None	Dry	6-8	Dark brown medium SAND, trace pebbles [FILL]	
7		0	None	Dry			
8	18/24	0	None	Wet	8-9	Brown, silty fine SAND, trace clay [SM]	SB-04_8-10 Potential perched water condition
9						End of boring at 9 ft bgs	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes		
			Water					
							Overburden (Linear ft.)	9
							Rock Cored (Linear ft.)	0
							Number of Samples	2
							<b>BORING NO.</b>	<b>SB=04</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

**BORING NO.**

**SB-05**

Page 1 of 1

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	M. Conlon
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	N. Manzione
<b>CONTRACTOR</b>	Lakewood Environmental Services, Corp.	<b>DATE STARTED</b>	7/10/2024
<b>DRILLER</b>	T. Kelly	<b>DATE FINISHED</b>	7/10/2024

<b>Elevation</b>	ft. Datum	<b>Boring Location</b>	See Plan
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>
Type	Steel	Macrocore	Jack Hammer Rig
<b>Inside Diameter (in.)</b>	1	1	<b>Completion Depth (ft.)</b>
<b>Hammer Weight (lb.)</b>	N/A	N/A	3
<b>Hammer Fall (in.)</b>	N/A	N/A	<b>Number of Samples</b>
			2
			<b>Drilling Method</b>
			Direct Push
			<b>Surface Conditions</b>
			Concrete
			<b>Drilling Notes</b>

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.33	Concrete	SB-05_0-2
1		0	None	Dry	0.33-1.5	Brown to black silty medium SAND, some pebbles, trace weathered rock [SM]	
2	34/48	0	None	Dry	1.5-2	Brown silty medium SAND, some weathered rock [SM]	SB-05_2-4
3		0	None	Dry	2-3	Tan medium SAND, some pebbles, weathered rock [SP]	
4						End of Boring at 3 ft bgs	Refusal at 3 ft bgs
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:		Type	Depth	Notes	
			Water					
								Overburden (Linear ft.) 3
								Rock Cored (Linear ft.) 0
								Number of Samples 2
							<b>BORING NO.</b>	<b>SB-05</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

**BORING NO.**

**SB-06**

Page **1** of **1**

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	M. Conlon
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	N. Manzione
<b>CONTRACTOR</b>	Lakewood Environmental Services, Corp.	<b>DATE STARTED</b>	7/1/2024
<b>DRILLER</b>	T. Kelly	<b>DATE FINISHED</b>	7/1/2024

<b>Elevation</b>	ft. Datum	<b>Boring Location</b>	See Plan
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>
Type	Steel	Macrocore	Jack Hammer Rig
<b>Inside Diameter (in.)</b>	1	1	<b>Completion Depth (ft.)</b>
<b>Hammer Weight (lb.)</b>	N/A	N/A	10
<b>Hammer Fall (in.)</b>	N/A	N/A	<b>Number of Samples</b>
			2
			<b>Drilling Method</b>
			Direct Push
			<b>Surface Conditions</b>
			Concrete
			<b>Drilling Notes</b>

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None		0-0.5	Concrete	Augered first 4 ft
1		0	None		0.5-4	Brown, medium to coarse SAND, some pebbles, cobbles, brick [FILL]	SB-06_0-2
2	48/48	0	None				
3		0	None				
4	18/24	0	None		4-5	Brown, medium to coarse SAND, some pebbles, cobbles, brick [FILL]	
5		0	None		5-5.5	Brown, coarse SAND, brick, stone, pebbles [FILL]	
6		0	None		6-7	Brown, medium to fine SAND, trace stone, pebbles [FILL]	
7	21/24	0	None		7-7.5	Tan to brown, fine SAND, some pebbles [FILL]	SB-06_7-9
8	23/24	0	None		8-9.5	Tan to brown, fine SAND, some pebbles [SP]	
9						End of boring at 9.5 ft bgs	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	Overburden (Linear ft.)	Rock Cored (Linear ft.)
			Water					
							9.5	0
							2	
							<b>BORING NO.</b>	<b>SB-06</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-07**

Page 1 of 1

PROJECT 515-519 West 43rd Street  
 LOCATION 515-519 West 43rd Street and 514-518 West 44th Street  
 CLIENT BH Group 43 LLC  
 CONTRACTOR Lakewood Environmental Services, Corp.  
 DRILLER T. Kelly

PROJECT # 211280  
 PROJECT MGR. M. Conlon  
 FIELD REP. N. Manzione  
 DATE STARTED 7/10/2024  
 DATE FINISHED 7/10/2024

Elevation	ft.	Datum	Boring Location	See Plan			
Item	Casing	Sampler	Rig Make & Model	Limited access rig	Surface Conditions	Drilling Notes	
Type	Steel	Macrocore	Completion Depth (ft.)	4	Concrete		
Inside Diameter (in.)	1	1	Drilling Method	Direct Push			
Hammer Weight (lb.)	N/A	N/A	Number of Samples				1
Hammer Fall (in.)	N/A	N/A					

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.33	Concrete	
1		5.4	Yes	Dry	0.33-1.5	Brown, silty medium SAND, some pebbles, trace rock fragments [SM]	SB-07_2-4
2	40/48	105.6	Yes	Dry	1.5-3.5	Dark brown, medium to coarse silty SAND, some rock fragments [SM]	PID readings and odors between 1.5 and 4 ft bgs
3		369.4	Yes				
4						End of Boring at 4 ft bgs	Refusal at 4 ft bgs
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data			Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	
			Water				Overburden (Linear ft.) 4
							Rock Cored (Linear ft.) 0
							Number of Samples 1
						BORING NO.	SB-07

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-08**

Page 1 of 1

**PROJECT** 515-519 West 43rd Street  
**LOCATION** 515-519 West 43rd Street and 514-518 West 44th Street  
**CLIENT** BH Group 43 LLC  
**CONTRACTOR** Lakewood Environmental Services, Corp.  
**DRILLER** T. Kelly

**PROJECT #** 211280  
**PROJECT MGR.** M. Conlon  
**FIELD REP.** N. Manzione  
**DATE STARTED** 7/10/2024  
**DATE FINISHED** 7/10/2024

Elevation	ft.	Datum	Boring Location See Plan			
Item	Casing	Sampler	Rig Make & Model	Jack Hammer Rig	Surface Conditions	
Type	Steel	Macrocore	Completion Depth (ft.)	3	Concrete	
Inside Diameter (in.)	1	1	Drilling Method	Direct Push		
Hammer Weight (lb.)	N/A	N/A	Number of Samples			1
Hammer Fall (in.)	N/A	N/A				

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	None	Dry	0-0.5	Concrete	
1							SB-08_0-2 Sample put on hold
2	30/48	0	None	Dry	0.5-2.5	Brown, silty medium SAND, trace clay, some pebbles [FILL]	
3						End of Boring at 3 ft bgs	Refusal at 3 ft bgs
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes		
			Water				Overburden (Linear ft.)	3
							Rock Cored (Linear ft.)	0
							Number of Samples	1
							<b>BORING NO.</b>	<b>SB-08</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-09**

Page 1 of 1

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	0211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	J. Bellew
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	O. Hennigan
<b>CONTRACTOR</b>	Eastern Environmental Solutions, Inc.	<b>DATE STARTED</b>	10/16/2024
<b>DRILLER</b>	Connor and Andrew	<b>DATE FINISHED</b>	10/16/2024

<b>Elevation</b>	ft.	<b>Datum</b>	<b>Boring Location</b>			
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>		<b>Surface Conditions</b>	<b>Drilling Notes</b>
<b>Type</b>	Steel	Macrocore	6610DT		Concrete Slab	
<b>Completion Depth (ft.)</b>			15	<b>Drilling Method</b>		
<b>Inside Diameter (in.)</b>	2	2		DP		
<b>Hammer Weight (lb.)</b>	N/A	N/A	<b>Number of Samples</b>			
<b>Hammer Fall (in.)</b>	N/A	N/A				

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-09_0-2 collected
1		0.2	None	Dry	0.25-2.5	Brown medium to coarse SAND, little brick, angular gravel [FILL]	
2	52/60	0.3	None	Dry	2.5-3	Crushed stone	
3		0.3	None	Dry	3-5	Brown medium to coarse SAND, trace gravel, trace brick [FILL]	SB-09_3-5 collected
4		0.3	None	Dry			
5		0.4	None	Dry	5-8	Brown medium to fine SAND [SP]	End of fill at 5 ft bgs
6		0.5	None	Dry			
7	41/60	0.5	None	Dry			
8		0.5	None	Dry	8-10	Brown fine SAND [SP]	
9		0.4	None	Dry			
10		0.3	None	Dry	10-12	Brown fine SAND [SP]	
11		0.3	None	Dry			
12	57/60	0.4	None	Dry	12-15	Brown fine SAND, trace clay, moist [SP]	
13		0.4	None	Moist			
14		0.9	None	Moist			
15		1.1	None	Moist		End of Boring at 15 ft bgs	Refusal at 15 ft bgs
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:		Type	Depth	Notes	
			Water					
								Overburden (Linear ft.) <u>15</u>
								Rock Cored (Linear ft.) <u>0</u>
								Number of Samples <u>2</u>
							<b>BORING NO.</b>	<b>SB-09</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-10**

Page 1 of 1

PROJECT 515-519 West 43rd Street  
 LOCATION 515-519 West 43rd Street and 514-518 West 44th Street  
 CLIENT BH Group 43 LLC  
 CONTRACTOR Eastern Environmental Solutions, Inc.  
 DRILLER Connor and Andrew

PROJECT # 0211280  
 PROJECT MGR. J. Bellew  
 FIELD REP. O. Hennigan  
 DATE STARTED 10/16/2024  
 DATE FINISHED 10/16/2024

Elevation	ft.	Datum	Boring Location		
Item	Casing	Sampler	Rig Make & Model	6610DT	Surface Conditions
Type		MC	Completion Depth (ft.)		Concrete Slab
Inside Diameter (in.)		2	Drilling Method		
Hammer Weight (lb.)			DP		
Hammer Fall (in.)				Number of Samples	

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-10_0-2 collected
1		0.2	None	Dry	0.25-3	Brown medium to coarse SAND, little brick, angular gravel [FILL]	
2	57/60	2.3	None	Dry			
3		1.8	None	Dry			End of fill at 3 ft bgs
4		0.5	None	Dry	3-5	Brown medium to coarse SAND, angular gravel [SP]	
5		0.3	None	Dry			
6		5.8	None	Dry	5-7.5	Brown medium to fine SAND, little gravel [SP]	SB-10_5-7 collected
7	56/60	4.5	None	Dry			
8		4.5	None	Dry	7.5-10	Brown medium to fine SAND [SP]	
9		2.0	None	Dry			
10		1.7	None	Dry			
11		1.5	None	Dry	10-12.5	Brown fine SAND [SP]	
12	56/60	1.5	None	Dry			
13		1.5	None	Moist	12.5-15	Brown medium to fine SAND, moist [SP]	
14		1.4	None	Moist			
15		1.3	None	Moist			Refusal at 15 ft bgs
16						End of Boring at 15 ft bgs	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data			Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	
			Water				Overburden (Linear ft.) 15
							Rock Cored (Linear ft.) 0
							Number of Samples 2
						BORING NO.	SB-10

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-11**

Page 1 of 1

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	0211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	J. Bellew
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	O. Hennigan
<b>CONTRACTOR</b>	Eastern Environmental Solutions, Inc.	<b>DATE STARTED</b>	10/16/2024
<b>DRILLER</b>	Connor and Andrew	<b>DATE FINISHED</b>	10/16/2024

<b>Elevation</b>	ft. Datum	<b>Boring Location</b>		
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>	6610DT
<b>Type</b>		MC	<b>Completion Depth (ft.)</b>	
<b>Inside Diameter (in.)</b>		2	<b>Drilling Method</b>	
<b>Hammer Weight (lb.)</b>			DP	Concrete Slab
<b>Hammer Fall (in.)</b>			<b>Number of Samples</b>	

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-11_0-2 collected
1		0.2	None	Dry	0.25-7	Brown medium to coarse SAND, trace brick, trace coal fragments, angular gravel [FILL]	
2	48/60	0.2	None	Dry			
3		0.4	None	Dry			SB-11_3-5 collected
4		0.4	None	Dry			
5		0.5	None	Dry			
6		0.3	None	Dry			
7	56/60	0.3	None	Dry	7-10	Brown fine SAND [SP]	End of fill at 7 ft bgs
8		0.3	None	Dry			
9		0.2	None	Dry			
10		0.2	None	Dry			
11	24/60	0.1	None	Dry	10-12	Brown fine SAND, angular gravel [SP]	
12		0.1	None	Dry			Refusal at 12 ft bgs
13						End of Boring at 12 ft bgs	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	Overburden (Linear ft.)	12
			Water				Rock Cored (Linear ft.)	0
							Number of Samples	2
							BORING NO.	SB-11

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

SB-12

Page 1 of 1

PROJECT 515-519 West 43rd Street  
 LOCATION 515-519 West 43rd Street and 514-518 West 44th Street  
 CLIENT BH Group 43 LLC  
 CONTRACTOR Eastern Environmental Solutions, Inc.  
 DRILLER Connor and Andrew

PROJECT # 0211280  
 PROJECT MGR. J. Bellew  
 FIELD REP. O. Hennigan  
 DATE STARTED 10/16/2024  
 DATE FINISHED 10/16/2024

Elevation	ft.	Datum	Boring Location		
Item	Casing	Sampler	Rig Make & Model	6610DT	Surface Conditions
Type		MC	Completion Depth (ft.)		Concrete Slab
Inside Diameter (in.)		2	Drilling Method		
Hammer Weight (lb.)			DP		
Hammer Fall (in.)			Number of Samples		

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-12_0-2 collected
1		0.1	None	Dry	0.25-5	Brown medium to coarse SAND, angular gravel, some brick, trace coal fragments [FILL]	
2	30/60	0.1	None	Dry			
3		0.2	None	Dry			
4		0.2	None	Dry			
5		0.2	None	Dry	5-7.5	Brown medium to coarse SAND, angular gravel, some brick, trace coal fragments, [FILL]	
6		0.2	None	Dry			
7	28/60	0.3	None	Dry	7.5-10	Brown fine SAND, trace coal fragments [FILL]	
8		0.3	None	Dry			SB-12_8-10 collected
9		0.4	None	Dry			
10		0.2	None	Dry	10-12	Brown fine SAND [SP]	End of fill at 10 ft bgs
11		0.2	None	Dry			
12	51/60	0.2	None	Dry	12-14.75	Brown fine SAND, trace clay, moist [SP]	
13		0.2	None	Moist			
14		0.2	None	Moist			Refusal at 14.75 ft bgs
15						End of Boring at 14.75 ft bgs	
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data			Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	
			Water				Overburden (Linear ft.) 14.75
							Rock Cored (Linear ft.) 0
							Number of Samples 2
						BORING NO.	SB-12

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-13**

Page 1 of 1

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	0211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	J. Bellew
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	O. Hennigan
<b>CONTRACTOR</b>	Eastern Environmental Solutions, Inc.	<b>DATE STARTED</b>	10/16/2024
<b>DRILLER</b>	Connor and Andrew	<b>DATE FINISHED</b>	10/16/2024

<b>Elevation</b>	ft.	<b>Datum</b>	<b>Boring Location</b>		
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>	6610DT	<b>Surface Conditions</b>
<b>Type</b>		MC	<b>Completion Depth (ft.)</b>		Concrete Slab
<b>Inside Diameter (in.)</b>		2	<b>Drilling Method</b>		
<b>Hammer Weight (lb.)</b>			DP		
<b>Hammer Fall (in.)</b>				<b>Number of Samples</b>	

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-13_0-2 collected
1		0.0	None	Dry	0.25-2	Dark brown, medium to coarse SAND, angular gravel, trace coal fragments, trace brick [FILL]	
2	18/60	0.3	None	Dry	2-5	Dark brown medium to coarse SAND, trace coal fragments, some brick [FILL]	
3		0.3	None	Dry			
4		0.5	None	Dry			
5		0.6	None	Dry	5-8	Brown medium to fine SAND, trace coal fragments, trace brick [FILL]	SB-13_5-7 collected
6		0.7	None	Dry			
7	48/60	0.7	None	Dry			
8		0.7	None	Dry	8-10	Brown fine SAND [SP]	End of fill at 8 ft bgs
9		0.7	None	Dry			
10		0.5	None	Dry	10-12	Brown medium to fine SAND, angular gravel [SP]	
11		0.3	None	Dry			
12	40/60	0.3	None	Dry	12-14.5	Brown medium to fine SAND, moist [SP]	
13		0.3	None	Moist			
14		0.3	None	Moist			
15						End of Boring at 14.5 ft bgs	Refusal at 14.5 ft bgs
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:	Type	Depth	Notes	Overburden (Linear ft.)	14.5
			Water				Rock Cored (Linear ft.)	0
							Number of Samples	2
							BORING NO.	SB-13

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# SOIL BORING LOG

BORING NO.

**SB-14**

Page 1 of 1

<b>PROJECT</b>	515-519 West 43rd Street	<b>PROJECT #</b>	0211280
<b>LOCATION</b>	515-519 West 43rd Street and 514-518 West 44th Street	<b>PROJECT MGR.</b>	J. Bellew
<b>CLIENT</b>	BH Group 43 LLC	<b>FIELD REP.</b>	O. Hennigan
<b>CONTRACTOR</b>	Eastern Environmental Solutions, Inc.	<b>DATE STARTED</b>	10/16/2024
<b>DRILLER</b>	Connor and Andrew	<b>DATE FINISHED</b>	10/16/2024

<b>Elevation</b>	ft. Datum	<b>Boring Location</b>		
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Rig Make &amp; Model</b>	<b>Surface Conditions</b>
<b>Type</b>		MC	6610DT	Concrete Slab
<b>Inside Diameter (in.)</b>		2	<b>Completion Depth (ft.)</b>	
<b>Hammer Weight (lb.)</b>			<b>Drilling Method</b>	
<b>Hammer Fall (in.)</b>			DP	

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0					0-0.25	Concrete	SB-14_0-2 collected
1		0.0	None	Dry	0.25-5	Brown medium to coarse SAND, angular gravel, some bricks [FILL]	
2	12/60	0.0	None	Dry			
3		0.1	None	Dry			
4		0.1	None	Dry			
5		0.1	None	Dry	5-6.5	Brown medium to fine SAND, trace silt, some bricks [FILL]	
6		0.2	None	Dry	6.5-8.5	Brown medium to fine SAND, trace coal fragments, trace brick [FILL]	SB-14_6-8 collected
7	28/60	0.2	None	Dry			
8		0.3	None	Dry	8.5-10	Brown medium to fine SAND [SP]	End of fill at 8.5 ft bgs
9		0.3	None	Dry			
10		0.2	None	Dry	10-14.5	Brown medium to fine SAND [SP]	
11		0.2	None	Dry			
12	48/60	0.2	None	Dry			
13		0.2	None	Dry			
14		0.2	None	Dry			
15						End of Boring at 14.5 ft bgs	Refusal at 14.5 ft bgs
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data				Well Construction Information			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:		Type	Depth	Notes	
			Water					
								Overburden (Linear ft.) <u>14.5</u>
								Rock Cored (Linear ft.) <u>0</u>
								Number of Samples <u>0</u>
							<b>BORING NO.</b>	<b>SB-14</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

**ATTACHMENT B**

**SOIL VAPOR LOGS**



# SOIL VAPOR SAMPLING LOG

Project Name/Location: 515-519 West 43rd Street

Project Number: 0211280

Site: 515-519 West 43rd Street, New York, New York  
Date Collected: 7/1/2024 and 7/10/2024  
Personnel: N. Manzione  
Weather: Clear, 65 °F/ Clear, 88 °F  
Humidity: 60%/70%

Sample ID	Caniser Size	Canister ID	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
SV-01	2.7L	2097	01008	12:16	-31	14:18	-9.25	7/1/2024	Soil Gas	TO-15
SV-02	2.7L	2461	02160	7:50	-29	9:50	-5.5	7/10/2024	Soil Gas	TO-16
SV-03	2.7L	2283	0173	7:52	-30	10:03	-6	7/10/2024	Soil Gas	TO-17
SV-04	2.7L	2054	01555	9:20	-30	11:48	-8.9	7/1/2024	Soil Gas	TO-15

Notes:  
Summas and flow regulators provided by Pace Analytical

Analyses for VOCs by Method TO-15



**ATTACHMENT C**

**LABORATORY ANALYTICAL DATA REPORTS**



## ANALYTICAL REPORT

Lab Number:	L2437271
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	515-519 W 43RD ST
Project Number:	0211280
Report Date:	07/09/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

---

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



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2437271-01	SB-04_0-2	SOIL	515-519 W 43RD ST NY, NY	07/01/24 08:40	07/01/24
L2437271-02	SB-04_8-10	SOIL	515-519 W 43RD ST NY, NY	07/01/24 08:45	07/01/24
L2437271-03	SB-01_0-2	SOIL	515-519 W 43RD ST NY, NY	07/01/24 11:40	07/01/24
L2437271-04	SB-01_8-10	SOIL	515-519 W 43RD ST NY, NY	07/01/24 12:00	07/01/24
L2437271-05	SB-06_0-2	SOIL	515-519 W 43RD ST NY, NY	07/01/24 13:00	07/01/24
L2437271-06	SB-06_7-9	SOIL	515-519 W 43RD ST NY, NY	07/01/24 13:10	07/01/24
L2437271-07	SB-03_0-2	SOIL	515-519 W 43RD ST NY, NY	07/01/24 14:25	07/01/24
L2437271-08	SB-03_2-4	SOIL	515-519 W 43RD ST NY, NY	07/01/24 14:35	07/01/24

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

### 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:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

### Case Narrative (continued)

#### Report Submission

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

#### Volatile Organics

L2437271-05: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (50%), possibly due to the matrix effect caused by the high pH of the sample (>10).

#### Semivolatile Organics

L2437271-05: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (4%) and 2,4,6-tribromophenol (3%); however, re-extraction achieved similar results: 2-fluorophenol (12%) and 2,4,6-tribromophenol (8%). The results of both extractions are reported.

#### Total Metals

L2437271-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature:  Tiffani Morrissey

Title: Technical Director/Representative

Date: 07/09/24

# ORGANICS

# VOLATILES

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-01  
**Client ID:** SB-04\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 00:50  
**Analyst:** LAC  
**Percent Solids:** 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.6	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.18	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-01  
 Client ID: SB-04\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 08:40  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	14		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-01  
**Client ID:** SB-04\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	83		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-02  
**Client ID:** SB-04\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:45  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 01:16  
**Analyst:** LAC  
**Percent Solids:** 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-02  
 Client ID: SB-04\_8-10  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 08:45  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-02  
**Client ID:** SB-04\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:45  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

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

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-03  
**Client ID:** SB-01\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 11:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 01:43  
**Analyst:** LAC  
**Percent Solids:** 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.70	0.28	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.70	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-03  
 Client ID: SB-01\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 11:40  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.79	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.91	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-03  
**Client ID:** SB-01\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 11:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-04  
**Client ID:** SB-01\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 12:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 02:09  
**Analyst:** LAC  
**Percent Solids:** 91%

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

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-04  
 Client ID: SB-01\_8-10  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 12:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-04  
**Client ID:** SB-01\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 12:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-05  
**Client ID:** SB-06\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 02:35  
**Analyst:** LAC  
**Percent Solids:** 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-05  
 Client ID: SB-06\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	7.3	J	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-05  
**Client ID:** SB-06\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	50	Q	70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-06  
**Client ID:** SB-06\_7-9  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:10  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/04/24 03:02  
**Analyst:** LAC  
**Percent Solids:** 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	8.2	3.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.4	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	ND		ug/kg	0.82	0.32	1
Chlorobenzene	ND		ug/kg	0.82	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.5	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.27	1
Bromodichloromethane	ND		ug/kg	0.82	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.82	0.26	1
Bromoform	ND		ug/kg	6.5	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.27	1
Benzene	ND		ug/kg	0.82	0.27	1
Toluene	ND		ug/kg	1.6	0.88	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.5	1.5	1
Bromomethane	ND		ug/kg	3.3	0.95	1
Vinyl chloride	ND		ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-06  
 Client ID: SB-06\_7-9  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:10  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.82	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.91	1
o-Xylene	ND		ug/kg	1.6	0.47	1
Xylenes, Total	ND		ug/kg	1.6	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.3	0.39	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	ND		ug/kg	16	7.8	1
Carbon disulfide	ND		ug/kg	16	7.4	1
2-Butanone	ND		ug/kg	16	3.6	1
Vinyl acetate	ND		ug/kg	16	3.5	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.3	0.33	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.45	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.19	1
o-Chlorotoluene	ND		ug/kg	3.3	0.31	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.28	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.18	1
Naphthalene	ND		ug/kg	6.5	1.0	1
Acrylonitrile	ND		ug/kg	6.5	1.9	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-06  
**Client ID:** SB-06\_7-9  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:10  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.52	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.44	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.54	1
1,4-Dioxane	ND		ug/kg	130	57.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.29	1
p-Ethyltoluene	ND		ug/kg	3.3	0.63	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.31	1
Ethyl ether	ND		ug/kg	3.3	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

Lab ID: L2437271-07  
 Client ID: SB-03\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:25  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/04/24 03:28  
 Analyst: LAC  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.21	1
Benzene	ND		ug/kg	0.65	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-07  
 Client ID: SB-03\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:25  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-07  
**Client ID:** SB-03\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:25  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-08  
**Client ID:** SB-03\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:35  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/06/24 15:33  
**Analyst:** AJK  
**Percent Solids:** 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-08  
 Client ID: SB-03\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:35  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-08  
**Client ID:** SB-03\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:35  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/03/24 18:14  
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1943592-5					
Methylene chloride	2.6	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.2	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/03/24 18:14  
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1943592-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/03/24 18:14  
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1943592-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/06/24 15:06  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1944422-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.20	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.2	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/06/24 15:06  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1944422-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/06/24 15:06  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1944422-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1943592-3 WG1943592-4								
Methylene chloride	84		80		70-130	5		30
1,1-Dichloroethane	90		87		70-130	3		30
Chloroform	86		86		70-130	0		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	98		95		70-130	3		30
Tetrachloroethene	96		97		70-130	1		30
Chlorobenzene	93		94		70-130	1		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	91		89		70-130	2		30
Bromodichloromethane	90		91		70-130	1		30
trans-1,3-Dichloropropene	94		93		70-130	1		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	96		94		70-130	2		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	96		95		70-130	1		30
Benzene	92		90		70-130	2		30
Toluene	92		92		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	86		83		52-130	4		30
Bromomethane	118		117		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1943592-3 WG1943592-4								
Vinyl chloride	97		94		67-130	3		30
Chloroethane	106		102		50-151	4		30
1,1-Dichloroethene	189	Q	202	Q	65-135	7		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	93		91		70-130	2		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,3-Dichlorobenzene	95		95		70-130	0		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	82		80		66-130	2		30
p/m-Xylene	93		94		70-130	1		30
o-Xylene	92		93		70-130	1		30
cis-1,2-Dichloroethene	89		88		70-130	1		30
Dibromomethane	90		88		70-130	2		30
Styrene	89		89		70-130	0		30
Dichlorodifluoromethane	85		82		30-146	4		30
Acetone	78		78		54-140	0		30
Carbon disulfide	177	Q	187	Q	59-130	5		30
2-Butanone	93		94		70-130	1		30
Vinyl acetate	122		114		70-130	7		30
4-Methyl-2-pentanone	96		95		70-130	1		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	93		95		70-130	2		30
Bromochloromethane	84		84		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1943592-3 WG1943592-4								
2,2-Dichloropropane	84		82		70-130	2		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	92		93		70-130	1		30
Bromobenzene	90		91		70-130	1		30
n-Butylbenzene	107		107		70-130	0		30
sec-Butylbenzene	99		100		70-130	1		30
tert-Butylbenzene	95		95		70-130	0		30
o-Chlorotoluene	95		99		70-130	4		30
p-Chlorotoluene	96		97		70-130	1		30
1,2-Dibromo-3-chloropropane	88		92		68-130	4		30
Hexachlorobutadiene	91		91		67-130	0		30
Isopropylbenzene	94		96		70-130	2		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	93		90		70-130	3		30
n-Propylbenzene	98		99		70-130	1		30
1,2,3-Trichlorobenzene	94		94		70-130	0		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	96		98		70-130	2		30
1,2,4-Trimethylbenzene	97		99		70-130	2		30
1,4-Dioxane	86		85		65-136	1		30
p-Diethylbenzene	101		102		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1943592-3 WG1943592-4								
p-Ethyltoluene	98		98		70-130	0		30
1,2,4,5-Tetramethylbenzene	97		97		70-130	0		30
Ethyl ether	94		97		67-130	3		30
trans-1,4-Dichloro-2-butene	111		112		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	99		96		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1944422-3 WG1944422-4								
Methylene chloride	89		109		70-130	20		30
1,1-Dichloroethane	93		96		70-130	3		30
Chloroform	95		97		70-130	2		30
Carbon tetrachloride	90		93		70-130	3		30
1,2-Dichloropropane	98		100		70-130	2		30
Dibromochloromethane	103		104		70-130	1		30
1,1,2-Trichloroethane	104		106		70-130	2		30
Tetrachloroethene	97		97		70-130	0		30
Chlorobenzene	98		99		70-130	1		30
Trichlorofluoromethane	108		105		70-139	3		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	93		95		70-130	2		30
Bromodichloromethane	96		100		70-130	4		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	96		99		70-130	3		30
1,1-Dichloropropene	100		103		70-130	3		30
Bromoform	87		91		70-130	4		30
1,1,2,2-Tetrachloroethane	100		102		70-130	2		30
Benzene	96		100		70-130	4		30
Toluene	96		97		70-130	1		30
Ethylbenzene	96		97		70-130	1		30
Chloromethane	97		98		52-130	1		30
Bromomethane	122		121		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1944422-3 WG1944422-4								
Vinyl chloride	100		97		67-130	3		30
Chloroethane	112		109		50-151	3		30
1,1-Dichloroethene	203	Q	202	Q	65-135	0		30
trans-1,2-Dichloroethene	90		92		70-130	2		30
Trichloroethene	98		103		70-130	5		30
1,2-Dichlorobenzene	98		103		70-130	5		30
1,3-Dichlorobenzene	99		102		70-130	3		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	86		90		66-130	5		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		99		70-130	1		30
cis-1,2-Dichloroethene	93		95		70-130	2		30
Dibromomethane	94		98		70-130	4		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	83		85		30-146	2		30
Acetone	91		102		54-140	11		30
Carbon disulfide	188	Q	190	Q	59-130	1		30
2-Butanone	102		111		70-130	8		30
Vinyl acetate	127		127		70-130	0		30
4-Methyl-2-pentanone	102		110		70-130	8		30
1,2,3-Trichloropropane	105		110		68-130	5		30
2-Hexanone	103		110		70-130	7		30
Bromochloromethane	87		90		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1944422-3 WG1944422-4								
2,2-Dichloropropane	83		84		70-130	1		30
1,2-Dibromoethane	107		108		70-130	1		30
1,3-Dichloropropane	104		106		69-130	2		30
1,1,1,2-Tetrachloroethane	97		99		70-130	2		30
Bromobenzene	91		94		70-130	3		30
n-Butylbenzene	113		116		70-130	3		30
sec-Butylbenzene	103		107		70-130	4		30
tert-Butylbenzene	98		100		70-130	2		30
o-Chlorotoluene	100		102		70-130	2		30
p-Chlorotoluene	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Hexachlorobutadiene	90		92		67-130	2		30
Isopropylbenzene	97		100		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	102		102		70-130	0		30
Acrylonitrile	100		105		70-130	5		30
n-Propylbenzene	101		104		70-130	3		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	100		102		70-130	2		30
1,2,4-Trimethylbenzene	101		103		70-130	2		30
1,4-Dioxane	92		98		65-136	6		30
p-Diethylbenzene	102		106		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1944422-3 WG1944422-4								
p-Ethyltoluene	100		102		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		103		70-130	3		30
Ethyl ether	108		108		67-130	0		30
trans-1,4-Dichloro-2-butene	116		122		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	98		100		70-130

# SEMIVOLATILES

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-01  
**Client ID:** SB-04\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 17:50  
**Analyst:** LJG  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	84	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	9300	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	460		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-01  
 Client ID: SB-04\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 08:40  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	3400		ug/kg	110	20.	1
Benzo(a)pyrene	3600		ug/kg	140	44.	1
Benzo(b)fluoranthene	4800		ug/kg	110	31.	1
Benzo(k)fluoranthene	1600		ug/kg	110	29.	1
Chrysene	3800		ug/kg	110	19.	1
Acenaphthylene	1100		ug/kg	140	28.	1
Anthracene	1100		ug/kg	110	35.	1
Benzo(ghi)perylene	2400		ug/kg	140	21.	1
Fluorene	200		ug/kg	180	18.	1
Phenanthrene	7200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	540		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	140	25.	1
Pyrene	7400	E	ug/kg	110	18.	1
Biphenyl	78	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	510		ug/kg	180	17.	1
2-Methylnaphthalene	310		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	42	J	ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	77	J	ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-01  
**Client ID:** SB-04\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	610		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	17		10-136
4-Terphenyl-d14	55		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

Lab ID: L2437271-01 D  
 Client ID: SB-04\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 08:40  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/09/24 11:39  
 Analyst: LJG  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	10000		ug/kg	550	100	5
Pyrene	8200		ug/kg	550	90.	5

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-02  
**Client ID:** SB-04\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:45  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 18:14  
**Analyst:** LJG  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	530		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	26	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-02  
 Client ID: SB-04\_8-10  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 08:45  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	220		ug/kg	100	20.	1
Benzo(a)pyrene	240		ug/kg	140	43.	1
Benzo(b)fluoranthene	320		ug/kg	100	30.	1
Benzo(k)fluoranthene	93	J	ug/kg	100	28.	1
Chrysene	230		ug/kg	100	18.	1
Acenaphthylene	50	J	ug/kg	140	27.	1
Anthracene	68	J	ug/kg	100	34.	1
Benzo(ghi)perylene	210		ug/kg	140	21.	1
Fluorene	19	J	ug/kg	180	17.	1
Phenanthrene	360		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	43	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	140	24.	1
Pyrene	430		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	22	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-02  
**Client ID:** SB-04\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:45  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	56	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-03  
**Client ID:** SB-01\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 11:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 18:37  
**Analyst:** LJG  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	120	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	4600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	140	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	51	J	ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-03  
 Client ID: SB-01\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 11:40  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2200		ug/kg	110	20.	1
Benzo(a)pyrene	2400		ug/kg	140	44.	1
Benzo(b)fluoranthene	3000		ug/kg	110	31.	1
Benzo(k)fluoranthene	1100		ug/kg	110	29.	1
Chrysene	2100		ug/kg	110	19.	1
Acenaphthylene	410		ug/kg	140	28.	1
Anthracene	690		ug/kg	110	36.	1
Benzo(ghi)perylene	1700		ug/kg	140	21.	1
Fluorene	170	J	ug/kg	180	18.	1
Phenanthrene	2500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	360		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	140	25.	1
Pyrene	3700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	100	J	ug/kg	180	17.	1
2-Methylnaphthalene	72	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-03  
**Client ID:** SB-01\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 11:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	320		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	26		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-04  
**Client ID:** SB-01\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 12:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 19:01  
**Analyst:** LJG  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1700		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	71	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-04  
 Client ID: SB-01\_8-10  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 12:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	710		ug/kg	110	20.	1
Benzo(a)pyrene	880		ug/kg	140	44.	1
Benzo(b)fluoranthene	1100		ug/kg	110	30.	1
Benzo(k)fluoranthene	370		ug/kg	110	29.	1
Chrysene	790		ug/kg	110	19.	1
Acenaphthylene	230		ug/kg	140	28.	1
Anthracene	180		ug/kg	110	35.	1
Benzo(ghi)perylene	790		ug/kg	140	21.	1
Fluorene	34	J	ug/kg	180	17.	1
Phenanthrene	890		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	730		ug/kg	140	25.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	46	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-04  
**Client ID:** SB-01\_8-10  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 12:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	120	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	57		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-05  
**Client ID:** SB-06\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 19:24  
**Analyst:** LJG  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	500		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	42	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-05  
 Client ID: SB-06\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	230		ug/kg	110	20.	1
Benzo(a)pyrene	220		ug/kg	150	45.	1
Benzo(b)fluoranthene	310		ug/kg	110	31.	1
Benzo(k)fluoranthene	100	J	ug/kg	110	29.	1
Chrysene	260		ug/kg	110	19.	1
Acenaphthylene	52	J	ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	160		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	25.	1
Pyrene	440		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-05  
**Client ID:** SB-06\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:00  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	4	Q	25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	3	Q	10-136
4-Terphenyl-d14	63		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

Lab ID: L2437271-05 RE  
 Client ID: SB-06\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/09/24 13:45  
 Analyst: IM  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 07/09/24 06:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1300		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-05 RE  
 Client ID: SB-06\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	520		ug/kg	110	20.	1
Benzo(a)pyrene	500		ug/kg	150	45.	1
Benzo(b)fluoranthene	630		ug/kg	110	31.	1
Benzo(k)fluoranthene	240		ug/kg	110	29.	1
Chrysene	520		ug/kg	110	19.	1
Acenaphthylene	170		ug/kg	150	28.	1
Anthracene	70	J	ug/kg	110	36.	1
Benzo(ghi)perylene	290		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	450		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	70	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	330		ug/kg	150	25.	1
Pyrene	1100		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2437271**Project Number:** 0211280**Report Date:** 07/09/24**SAMPLE RESULTS**

Lab ID: L2437271-05 RE  
 Client ID: SB-06\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	20	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	12	Q	25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	8	Q	10-136
4-Terphenyl-d14	101		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-06  
**Client ID:** SB-06\_7-9  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:10  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 15:53  
**Analyst:** LJG  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-06  
 Client ID: SB-06\_7-9  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:10  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-06  
**Client ID:** SB-06\_7-9  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 13:10  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	65		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-07  
**Client ID:** SB-03\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:25  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/08/24 16:16  
**Analyst:** LJG  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	160		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	150	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-07  
 Client ID: SB-03\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:25  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	750		ug/kg	110	21.	1
Benzo(a)pyrene	620		ug/kg	150	45.	1
Benzo(b)fluoranthene	750		ug/kg	110	31.	1
Benzo(k)fluoranthene	230		ug/kg	110	29.	1
Chrysene	760		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	450		ug/kg	110	36.	1
Benzo(ghi)perylene	350		ug/kg	150	22.	1
Fluorene	170	J	ug/kg	180	18.	1
Phenanthrene	1800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	93	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	150	26.	1
Pyrene	1500		ug/kg	110	18.	1
Biphenyl	30	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	97	J	ug/kg	180	17.	1
2-Methylnaphthalene	150	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	24	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-07  
**Client ID:** SB-03\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:25  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	100	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	10		10-136
4-Terphenyl-d14	61		18-120

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-08  
 Client ID: SB-03\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:35  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/08/24 16:40  
 Analyst: LJG  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	22	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	360		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	29	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-08  
 Client ID: SB-03\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:35  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	160		ug/kg	110	21.	1
Benzo(a)pyrene	160		ug/kg	150	45.	1
Benzo(b)fluoranthene	200		ug/kg	110	31.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	29.	1
Chrysene	170		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	62	J	ug/kg	110	36.	1
Benzo(ghi)perylene	110	J	ug/kg	150	22.	1
Fluorene	22	J	ug/kg	180	18.	1
Phenanthrene	300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	150	26.	1
Pyrene	310		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	27	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-08  
**Client ID:** SB-03\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 14:35  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	28	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	43		10-136
4-Terphenyl-d14	65		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/07/24 23:05  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1943821-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/07/24 23:05  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1943821-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/07/24 23:05  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 07/06/24 11:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1943821-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	68		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/09/24 08:01  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 07/09/24 03:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1944606-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/09/24 08:01  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 07/09/24 03:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1944606-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/09/24 08:01  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 07/09/24 03:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1944606-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	88		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1943821-2 WG1943821-3								
Acenaphthene	64		62		31-137	3		50
1,2,4-Trichlorobenzene	67		67		38-107	0		50
Hexachlorobenzene	62		61		40-140	2		50
Bis(2-chloroethyl)ether	65		66		40-140	2		50
2-Chloronaphthalene	65		68		40-140	5		50
1,2-Dichlorobenzene	63		64		40-140	2		50
1,3-Dichlorobenzene	63		63		40-140	0		50
1,4-Dichlorobenzene	63		64		28-104	2		50
3,3'-Dichlorobenzidine	61		58		40-140	5		50
2,4-Dinitrotoluene	74		74		40-132	0		50
2,6-Dinitrotoluene	78		81		40-140	4		50
Fluoranthene	67		67		40-140	0		50
4-Chlorophenyl phenyl ether	65		66		40-140	2		50
4-Bromophenyl phenyl ether	66		66		40-140	0		50
Bis(2-chloroisopropyl)ether	64		67		40-140	5		50
Bis(2-chloroethoxy)methane	69		71		40-117	3		50
Hexachlorobutadiene	65		62		40-140	5		50
Hexachlorocyclopentadiene	83		86		40-140	4		50
Hexachloroethane	62		63		40-140	2		50
Isophorone	66		68		40-140	3		50
Naphthalene	65		66		40-140	2		50
Nitrobenzene	67		67		40-140	0		50
NDPA/DPA	66		67		36-157	2		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1943821-2 WG1943821-3								
n-Nitrosodi-n-propylamine	63		67		32-121		6	50
Bis(2-ethylhexyl)phthalate	70		71		40-140		1	50
Butyl benzyl phthalate	78		77		40-140		1	50
Di-n-butylphthalate	66		66		40-140		0	50
Di-n-octylphthalate	73		74		40-140		1	50
Diethyl phthalate	61		61		40-140		0	50
Dimethyl phthalate	66		68		40-140		3	50
Benzo(a)anthracene	64		65		40-140		2	50
Benzo(a)pyrene	67		67		40-140		0	50
Benzo(b)fluoranthene	67		67		40-140		0	50
Benzo(k)fluoranthene	65		65		40-140		0	50
Chrysene	66		66		40-140		0	50
Acenaphthylene	64		66		40-140		3	50
Anthracene	68		67		40-140		1	50
Benzo(ghi)perylene	68		66		40-140		3	50
Fluorene	65		65		40-140		0	50
Phenanthrene	66		64		40-140		3	50
Dibenzo(a,h)anthracene	68		67		40-140		1	50
Indeno(1,2,3-cd)pyrene	70		69		40-140		1	50
Pyrene	69		69		35-142		0	50
Biphenyl	69		70		37-127		1	50
4-Chloroaniline	57		51		40-140		11	50
2-Nitroaniline	83		84		47-134		1	50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1943821-2 WG1943821-3								
3-Nitroaniline	65		62		26-129	5		50
4-Nitroaniline	71		70		41-125	1		50
Dibenzofuran	62		62		40-140	0		50
2-Methylnaphthalene	70		71		40-140	1		50
1,2,4,5-Tetrachlorobenzene	70		70		40-117	0		50
Acetophenone	69		72		14-144	4		50
2,4,6-Trichlorophenol	74		77		30-130	4		50
p-Chloro-m-cresol	69		70		26-103	1		50
2-Chlorophenol	70		73		25-102	4		50
2,4-Dichlorophenol	72		75		30-130	4		50
2,4-Dimethylphenol	80		81		30-130	1		50
2-Nitrophenol	82		86		30-130	5		50
4-Nitrophenol	69		70		11-114	1		50
2,4-Dinitrophenol	82		81		4-130	1		50
4,6-Dinitro-o-cresol	86		86		10-130	0		50
Pentachlorophenol	62		63		17-109	2		50
Phenol	69		72		26-90	4		50
2-Methylphenol	73		76		30-130.	4		50
3-Methylphenol/4-Methylphenol	73		76		30-130	4		50
2,4,5-Trichlorophenol	76		77		30-130	1		50
Benzoic Acid	54		58		10-110	7		50
Benzyl Alcohol	65		68		40-140	5		50
Carbazole	69		68		54-128	1		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1943821-2 WG1943821-3								
1,4-Dioxane	56		54		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		74		25-120
Phenol-d6	70		71		10-120
Nitrobenzene-d5	64		69		23-120
2-Fluorobiphenyl	66		68		30-120
2,4,6-Tribromophenol	58		57		10-136
4-Terphenyl-d14	67		67		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1944606-2 WG1944606-3								
Acenaphthene	75		71		31-137	5		50
1,2,4-Trichlorobenzene	71		68		38-107	4		50
Hexachlorobenzene	70		69		40-140	1		50
Bis(2-chloroethyl)ether	79		77		40-140	3		50
2-Chloronaphthalene	75		70		40-140	7		50
1,2-Dichlorobenzene	72		68		40-140	6		50
1,3-Dichlorobenzene	73		68		40-140	7		50
1,4-Dichlorobenzene	72		68		28-104	6		50
3,3'-Dichlorobenzidine	70		59		40-140	17		50
2,4-Dinitrotoluene	81		79		40-132	3		50
2,6-Dinitrotoluene	79		73		40-140	8		50
Fluoranthene	84		82		40-140	2		50
4-Chlorophenyl phenyl ether	82		78		40-140	5		50
4-Bromophenyl phenyl ether	80		72		40-140	11		50
Bis(2-chloroisopropyl)ether	70		66		40-140	6		50
Bis(2-chloroethoxy)methane	84		80		40-117	5		50
Hexachlorobutadiene	97		94		40-140	3		50
Hexachlorocyclopentadiene	70		67		40-140	4		50
Hexachloroethane	85		83		40-140	2		50
Isophorone	84		81		40-140	4		50
Naphthalene	76		73		40-140	4		50
Nitrobenzene	88		80		40-140	10		50
NDPA/DPA	76		73		36-157	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1944606-2 WG1944606-3								
n-Nitrosodi-n-propylamine	91		86		32-121			50
Bis(2-ethylhexyl)phthalate	92		88		40-140			50
Butyl benzyl phthalate	101		99		40-140			50
Di-n-butylphthalate	96		93		40-140			50
Di-n-octylphthalate	99		93		40-140			50
Diethyl phthalate	84		79		40-140			50
Dimethyl phthalate	79		74		40-140			50
Benzo(a)anthracene	78		74		40-140			50
Benzo(a)pyrene	84		78		40-140			50
Benzo(b)fluoranthene	83		71		40-140			50
Benzo(k)fluoranthene	78		78		40-140			50
Chrysene	79		74		40-140			50
Acenaphthylene	70		65		40-140			50
Anthracene	85		81		40-140			50
Benzo(ghi)perylene	85		78		40-140			50
Fluorene	73		70		40-140			50
Phenanthrene	81		77		40-140			50
Dibenzo(a,h)anthracene	83		75		40-140			50
Indeno(1,2,3-cd)pyrene	84		77		40-140			50
Pyrene	84		82		35-142			50
Biphenyl	69		66		37-127			50
4-Chloroaniline	68		53		40-140			50
2-Nitroaniline	77		75		47-134			50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1944606-2 WG1944606-3								
3-Nitroaniline	65		52		26-129	22		50
4-Nitroaniline	69		64		41-125	8		50
Dibenzofuran	77		71		40-140	8		50
2-Methylnaphthalene	76		70		40-140	8		50
1,2,4,5-Tetrachlorobenzene	80		76		40-117	5		50
Acetophenone	81		76		14-144	6		50
2,4,6-Trichlorophenol	79		77		30-130	3		50
p-Chloro-m-cresol	91		84		26-103	8		50
2-Chlorophenol	78		74		25-102	5		50
2,4-Dichlorophenol	73		66		30-130	10		50
2,4-Dimethylphenol	76		68		30-130	11		50
2-Nitrophenol	79		77		30-130	3		50
4-Nitrophenol	84		84		11-114	0		50
2,4-Dinitrophenol	67		58		4-130	14		50
4,6-Dinitro-o-cresol	85		82		10-130	4		50
Pentachlorophenol	69		65		17-109	6		50
Phenol	81		77		26-90	5		50
2-Methylphenol	79		75		30-130.	5		50
3-Methylphenol/4-Methylphenol	75		72		30-130	4		50
2,4,5-Trichlorophenol	82		77		30-130	6		50
Benzoic Acid	38		38		10-110	0		50
Benzyl Alcohol	92		87		40-140	6		50
Carbazole	81		77		54-128	5		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1944606-2 WG1944606-3								
1,4-Dioxane	67		60		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		80		25-120
Phenol-d6	84		79		10-120
Nitrobenzene-d5	83		79		23-120
2-Fluorobiphenyl	70		66		30-120
2,4,6-Tribromophenol	68		66		10-136
4-Terphenyl-d14	76		75		18-120

## METALS

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-01

Date Collected: 07/01/24 08:40

Client ID: SB-04\_0-2

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4540		mg/kg	8.48	2.29	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Antimony, Total	1.20	J	mg/kg	4.24	0.322	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Arsenic, Total	13.4		mg/kg	0.848	0.176	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Barium, Total	356		mg/kg	0.848	0.148	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.234	J	mg/kg	0.424	0.028	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.848	0.083	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Calcium, Total	59400		mg/kg	8.48	2.97	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Chromium, Total	22.7		mg/kg	0.848	0.081	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.35		mg/kg	1.70	0.141	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Copper, Total	18.5		mg/kg	0.848	0.219	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Iron, Total	38700		mg/kg	8.48	1.53	4	07/03/24 01:38	07/08/24 19:07	EPA 3050B	1,6010D	DHL
Lead, Total	799		mg/kg	4.24	0.227	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Magnesium, Total	8490		mg/kg	8.48	1.30	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Manganese, Total	264		mg/kg	0.848	0.135	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Mercury, Total	0.122		mg/kg	0.077	0.050	1	07/03/24 02:20	07/08/24 20:52	EPA 7471B	1,7471B	JWN
Nickel, Total	12.1		mg/kg	2.12	0.205	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Potassium, Total	968		mg/kg	212	12.2	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.70	0.219	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.424	0.240	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Sodium, Total	508		mg/kg	170	2.67	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.70	0.267	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Vanadium, Total	26.8		mg/kg	0.848	0.172	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL
Zinc, Total	407		mg/kg	4.24	0.248	2	07/03/24 01:38	07/08/24 17:50	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-02

Date Collected: 07/01/24 08:45

Client ID: SB-04\_8-10

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3010		mg/kg	8.51	2.30	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.26	0.323	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.49		mg/kg	0.851	0.177	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Barium, Total	17.6		mg/kg	0.851	0.148	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.328	J	mg/kg	0.426	0.028	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.851	0.083	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Calcium, Total	1140		mg/kg	8.51	2.98	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Chromium, Total	8.60		mg/kg	0.851	0.082	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Cobalt, Total	4.09		mg/kg	1.70	0.141	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Copper, Total	7.31		mg/kg	0.851	0.220	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Iron, Total	6800		mg/kg	4.26	0.768	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Lead, Total	4.46		mg/kg	4.26	0.228	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Magnesium, Total	1950		mg/kg	8.51	1.31	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Manganese, Total	60.1		mg/kg	0.851	0.135	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.081	0.053	1	07/03/24 02:20	07/08/24 20:55	EPA 7471B	1,7471B	JWN
Nickel, Total	11.2		mg/kg	2.13	0.206	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Potassium, Total	940		mg/kg	213	12.2	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.70	0.220	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.426	0.241	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Sodium, Total	99.1	J	mg/kg	170	2.68	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.70	0.268	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Vanadium, Total	9.86		mg/kg	0.851	0.173	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL
Zinc, Total	13.9		mg/kg	4.26	0.249	2	07/03/24 01:38	07/08/24 17:54	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-03

Date Collected: 07/01/24 11:40

Client ID: SB-01\_0-2

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5290		mg/kg	8.77	2.37	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Antimony, Total	0.708	J	mg/kg	4.38	0.333	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Arsenic, Total	7.01		mg/kg	0.877	0.182	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Barium, Total	191		mg/kg	0.877	0.152	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.313	J	mg/kg	0.438	0.029	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.877	0.086	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Calcium, Total	44600		mg/kg	8.77	3.07	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Chromium, Total	18.1		mg/kg	0.877	0.084	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.37		mg/kg	1.75	0.146	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Copper, Total	21.1		mg/kg	0.877	0.226	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Iron, Total	12000		mg/kg	4.38	0.792	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Lead, Total	96.7		mg/kg	4.38	0.235	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Magnesium, Total	4480		mg/kg	8.77	1.35	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Manganese, Total	169		mg/kg	0.877	0.139	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Mercury, Total	0.087		mg/kg	0.082	0.053	1	07/03/24 02:20	07/08/24 20:59	EPA 7471B	1,7471B	JWN
Nickel, Total	11.3		mg/kg	2.19	0.212	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Potassium, Total	1270		mg/kg	219	12.6	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.75	0.226	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.438	0.248	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Sodium, Total	733		mg/kg	175	2.76	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.75	0.276	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Vanadium, Total	23.3		mg/kg	0.877	0.178	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL
Zinc, Total	122		mg/kg	4.38	0.257	2	07/03/24 01:38	07/08/24 17:58	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-04

Date Collected: 07/01/24 12:00

Client ID: SB-01\_8-10

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4700		mg/kg	8.39	2.26	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Antimony, Total	1.47	J	mg/kg	4.20	0.319	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Arsenic, Total	10.6		mg/kg	0.839	0.174	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Barium, Total	165		mg/kg	0.839	0.146	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.240	J	mg/kg	0.420	0.028	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.193	J	mg/kg	0.839	0.082	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Calcium, Total	36500		mg/kg	8.39	2.94	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Chromium, Total	17.5		mg/kg	0.839	0.081	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Cobalt, Total	5.23		mg/kg	1.68	0.139	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Copper, Total	22.9		mg/kg	0.839	0.216	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Iron, Total	19600		mg/kg	4.20	0.758	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Lead, Total	486		mg/kg	4.20	0.225	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Magnesium, Total	4610		mg/kg	8.39	1.29	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Manganese, Total	289		mg/kg	0.839	0.133	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Mercury, Total	0.109		mg/kg	0.076	0.049	1	07/03/24 02:20	07/08/24 21:02	EPA 7471B	1,7471B	JWN
Nickel, Total	12.8		mg/kg	2.10	0.203	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Potassium, Total	1120		mg/kg	210	12.1	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.68	0.216	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.420	0.237	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Sodium, Total	222		mg/kg	168	2.64	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.68	0.264	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Vanadium, Total	23.1		mg/kg	0.839	0.170	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL
Zinc, Total	324		mg/kg	4.20	0.246	2	07/03/24 01:38	07/08/24 18:02	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-05

Date Collected: 07/01/24 13:00

Client ID: SB-06\_0-2

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5960		mg/kg	8.50	2.30	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.25	0.323	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Arsenic, Total	8.90		mg/kg	0.850	0.177	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Barium, Total	89.6		mg/kg	0.850	0.148	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.287	J	mg/kg	0.425	0.028	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.850	0.083	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Calcium, Total	61600		mg/kg	8.50	2.98	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Chromium, Total	21.1		mg/kg	0.850	0.082	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.99		mg/kg	1.70	0.141	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Copper, Total	19.2		mg/kg	0.850	0.219	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Iron, Total	12300		mg/kg	4.25	0.768	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Lead, Total	131		mg/kg	4.25	0.228	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Magnesium, Total	4660		mg/kg	8.50	1.31	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Manganese, Total	204		mg/kg	0.850	0.135	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Mercury, Total	0.215		mg/kg	0.081	0.053	1	07/03/24 02:20	07/08/24 21:05	EPA 7471B	1,7471B	JWN
Nickel, Total	9.57		mg/kg	2.12	0.206	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Potassium, Total	1690		mg/kg	212	12.2	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.70	0.219	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.425	0.240	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Sodium, Total	811		mg/kg	170	2.68	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Thallium, Total	0.314	J	mg/kg	1.70	0.268	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Vanadium, Total	19.7		mg/kg	0.850	0.172	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL
Zinc, Total	49.4		mg/kg	4.25	0.249	2	07/03/24 01:38	07/08/24 18:06	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-06

Date Collected: 07/01/24 13:10

Client ID: SB-06\_7-9

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6520		mg/kg	8.77	2.37	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.38	0.333	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Arsenic, Total	3.38		mg/kg	0.877	0.182	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Barium, Total	58.7		mg/kg	0.877	0.152	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.328	J	mg/kg	0.438	0.029	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.877	0.086	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Calcium, Total	14700		mg/kg	8.77	3.07	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Chromium, Total	16.4		mg/kg	0.877	0.084	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Cobalt, Total	2.84		mg/kg	1.75	0.146	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Copper, Total	11.7		mg/kg	0.877	0.226	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Iron, Total	10000		mg/kg	4.38	0.792	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Lead, Total	31.7		mg/kg	4.38	0.235	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Magnesium, Total	2250		mg/kg	8.77	1.35	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Manganese, Total	152		mg/kg	0.877	0.139	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Mercury, Total	0.118		mg/kg	0.081	0.053	1	07/03/24 02:20	07/08/24 21:09	EPA 7471B	1,7471B	JWN
Nickel, Total	8.57		mg/kg	2.19	0.212	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Potassium, Total	836		mg/kg	219	12.6	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.75	0.226	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.438	0.248	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Sodium, Total	539		mg/kg	175	2.76	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.75	0.276	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Vanadium, Total	16.9		mg/kg	0.877	0.178	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL
Zinc, Total	30.0		mg/kg	4.38	0.257	2	07/03/24 01:38	07/08/24 18:10	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-07

Date Collected: 07/01/24 14:25

Client ID: SB-03\_0-2

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9080		mg/kg	8.85	2.39	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Antimony, Total	0.487	J	mg/kg	4.43	0.336	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Arsenic, Total	4.61		mg/kg	0.885	0.184	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Barium, Total	84.9		mg/kg	0.885	0.154	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.474		mg/kg	0.443	0.029	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.885	0.087	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Calcium, Total	80600		mg/kg	8.85	3.10	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Chromium, Total	11.2		mg/kg	0.885	0.085	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.56		mg/kg	1.77	0.147	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Copper, Total	15.0		mg/kg	0.885	0.228	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Iron, Total	10200		mg/kg	4.43	0.799	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Lead, Total	184		mg/kg	4.43	0.237	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Magnesium, Total	5160		mg/kg	8.85	1.36	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Manganese, Total	191		mg/kg	0.885	0.141	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Mercury, Total	0.286		mg/kg	0.086	0.056	1	07/03/24 02:20	07/08/24 21:12	EPA 7471B	1,7471B	JWN
Nickel, Total	9.48		mg/kg	2.21	0.214	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Potassium, Total	1060		mg/kg	221	12.7	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.77	0.228	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.443	0.250	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Sodium, Total	582		mg/kg	177	2.79	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Thallium, Total	0.396	J	mg/kg	1.77	0.279	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Vanadium, Total	17.5		mg/kg	0.885	0.180	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL
Zinc, Total	80.1		mg/kg	4.43	0.259	2	07/03/24 01:38	07/08/24 18:14	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-08

Date Collected: 07/01/24 14:35

Client ID: SB-03\_2-4

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11400		mg/kg	8.89	2.40	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.44	0.338	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Arsenic, Total	2.78		mg/kg	0.889	0.185	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Barium, Total	93.6		mg/kg	0.889	0.155	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Beryllium, Total	1.20		mg/kg	0.444	0.029	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.889	0.087	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Calcium, Total	34400		mg/kg	8.89	3.11	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Chromium, Total	48.4		mg/kg	0.889	0.085	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Cobalt, Total	8.47		mg/kg	1.78	0.148	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Copper, Total	12.8		mg/kg	0.889	0.229	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Iron, Total	19300		mg/kg	4.44	0.803	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Lead, Total	54.6		mg/kg	4.44	0.238	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Magnesium, Total	7140		mg/kg	8.89	1.37	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Manganese, Total	389		mg/kg	0.889	0.141	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Mercury, Total	0.714		mg/kg	0.083	0.054	1	07/03/24 02:20	07/08/24 21:15	EPA 7471B	1,7471B	JWN
Nickel, Total	33.7		mg/kg	2.22	0.215	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Potassium, Total	2530		mg/kg	222	12.8	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.78	0.229	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.444	0.252	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Sodium, Total	257		mg/kg	178	2.80	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Thallium, Total	0.447	J	mg/kg	1.78	0.280	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Vanadium, Total	29.3		mg/kg	0.889	0.180	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL
Zinc, Total	83.2		mg/kg	4.44	0.260	2	07/03/24 01:38	07/08/24 19:02	EPA 3050B	1,6010D	DHL



Project Name: 515-519 W 43RD ST  
Project Number: 0211280

Lab Number: L2437271  
Report Date: 07/09/24

## 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): 01-08 Batch: WG1942565-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Iron, Total	0.914	J	mg/kg	2.00	0.361	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Sodium, Total	1.82	J	mg/kg	80.0	1.26	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/03/24 01:38	07/08/24 16:12	1,6010D	DHL

### 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): 01-08 Batch: WG1942566-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/03/24 02:20	07/08/24 20:09	1,7471B	JWN



**Project Name:** 515-519 W 43RD ST

**Lab Number:** L2437271

**Project Number:** 0211280

**Report Date:** 07/09/24

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1942565-2								
Aluminum, Total	113		-		80-120	-		
Antimony, Total	111		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	110		-		80-120	-		
Beryllium, Total	112		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	108		-		80-120	-		
Chromium, Total	109		-		80-120	-		
Cobalt, Total	110		-		80-120	-		
Copper, Total	111		-		80-120	-		
Iron, Total	113		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	108		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	113		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	108		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	111		-		80-120	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211280

**Lab Number:** L2437271

**Report Date:** 07/09/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1942565-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1942566-2					
Mercury, Total	95	-	80-120	-	

## Matrix Spike Analysis Batch Quality Control

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

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): 01-08    QC Batch ID: WG1942565-3    QC Sample: L2436902-02    Client ID: MS Sample												
Aluminum, Total	8550	166	10000	872	Q	-	-		75-125	-		20
Antimony, Total	0.427J	41.5	33.6	81		-	-		75-125	-		20
Arsenic, Total	5.94	9.97	18.5	126	Q	-	-		75-125	-		20
Barium, Total	45.3	166	220	105		-	-		75-125	-		20
Beryllium, Total	0.527	4.15	4.60	98		-	-		75-125	-		20
Cadmium, Total	0.259J	4.4	3.76	85		-	-		75-125	-		20
Calcium, Total	24200	831	32600	1010	Q	-	-		75-125	-		20
Chromium, Total	16.0	16.6	33.5	105		-	-		75-125	-		20
Cobalt, Total	11.4	41.5	45.6	82		-	-		75-125	-		20
Copper, Total	22.1	20.8	46.7	118		-	-		75-125	-		20
Iron, Total	20500	83.1	22200	2040	Q	-	-		75-125	-		20
Lead, Total	8.23	44	54.0	104		-	-		75-125	-		20
Magnesium, Total	4710	831	5590	106		-	-		75-125	-		20
Manganese, Total	185	41.5	369	443	Q	-	-		75-125	-		20
Nickel, Total	22.5	41.5	57.9	85		-	-		75-125	-		20
Potassium, Total	1030	831	2270	149	Q	-	-		75-125	-		20
Selenium, Total	0.336J	9.97	9.83	98		-	-		75-125	-		20
Silver, Total	ND	4.15	3.80	91		-	-		75-125	-		20
Sodium, Total	74.0J	831	861	104		-	-		75-125	-		20
Thallium, Total	0.379J	9.97	9.16	92		-	-		75-125	-		20
Vanadium, Total	24.8	41.5	65.5	98		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

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): 01-08 QC Batch ID: WG1942565-3 QC Sample: L2436902-02 Client ID: MS Sample									
Zinc, Total	88.0	41.5	129	99	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1942566-3 QC Sample: L2436902-02 Client ID: MS Sample									
Mercury, Total	ND	1.56	1.54	99	-	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1942565-4 QC Sample: L2436902-02 Client ID: DUP Sample</b>						
Arsenic, Total	5.94	7.44	mg/kg	22	Q	20
Barium, Total	45.3	77.6	mg/kg	53	Q	20
Cadmium, Total	0.259J	0.213J	mg/kg	NC		20
Chromium, Total	16.0	21.2	mg/kg	28	Q	20
Lead, Total	8.23	16.9	mg/kg	69	Q	20
Selenium, Total	0.336J	0.300J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1942566-4 QC Sample: L2436902-02 Client ID: DUP Sample</b>						
Mercury, Total	ND	0.053J	mg/kg	NC		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

**SAMPLE RESULTS**

**Lab ID:** L2437271-01  
**Client ID:** SB-04\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/01/24 08:40  
**Date Received:** 07/01/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.8		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-02

Date Collected: 07/01/24 08:45

Client ID: SB-04\_8-10

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, NY

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	93.1		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-03

Date Collected: 07/01/24 11:40

Client ID: SB-01\_0-2

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, NY

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	90.5		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-04

Client ID: SB-01\_8-10

Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 12:00

Date Received: 07/01/24

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	91.4		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-05

Client ID: SB-06\_0-2

Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:00

Date Received: 07/01/24

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	90.9		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-06

Client ID: SB-06\_7-9

Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 13:10

Date Received: 07/01/24

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	89.4		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-07

Client ID: SB-03\_0-2

Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/01/24 14:25

Date Received: 07/01/24

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	88.8		%	0.100	NA	1	-	07/02/24 11:29	121,2540G	ROI



Project Name: 515-519 W 43RD ST

Lab Number: L2437271

Project Number: 0211280

Report Date: 07/09/24

## SAMPLE RESULTS

Lab ID: L2437271-08

Date Collected: 07/01/24 14:35

Client ID: SB-03\_2-4

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST NY, NY

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	-	07/02/24 11:29	121,2540G	ROI



## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437271

Report Date: 07/09/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1942152-1 QC Sample: L2437277-05 Client ID: DUP Sample						
Solids, Total	85.9	85.9	%	0		20

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Serial\_No:**07092415:38  
**Lab Number:** L2437271  
**Report Date:** 07/09/24

**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(*)
L2437271-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-01B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-01C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-01D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2437271-01E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-01F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-02B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-02C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-02D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2437271-02E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-02F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-03A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-03B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-03C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-03D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)

\*Values in parentheses indicate holding time in days



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

Serial\_No:07092415:38  
**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2437271-03E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-03F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-04A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-04B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-04C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-04D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2437271-04E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-04F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-05A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-05B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-05C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-05D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2437271-05E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-05F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-06A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-06B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-06C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-06D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2437271-06E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-06F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-07A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Serial\_No:**07092415:38  
**Lab Number:** L2437271  
**Report Date:** 07/09/24

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2437271-07B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-07C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-07D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2437271-07E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-07F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2437271-08A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2437271-08B	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-08C	Vial water preserved	A	NA		3.4	Y	Absent	02-JUL-24 08:29	NYTCL-8260HLW(14)
L2437271-08D	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2437271-08E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2437271-08F	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

## 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:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

### 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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437271  
**Report Date:** 07/09/24

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** EPA RSK-175 Dissolved Gases

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, 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.





## ANALYTICAL REPORT

Lab Number:	L2437279
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	515-519 W 43RD ST
Project Number:	0211280
Report Date:	07/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2437279-01	SV-04	SOIL_VAPOR	515-519 W 43RD ST, NY, NY	07/01/24 11:48	07/01/24
L2437279-02	SV-01	SOIL_VAPOR	515-519 W 43RD ST, NY, NY	07/01/24 14:18	07/01/24

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

### 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:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

### Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 25, 2024. The canister certification data is provided as an addendum.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 07/08/24

**AIR**

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2437279**Project Number:** 0211280**Report Date:** 07/08/24**SAMPLE RESULTS**

Lab ID: L2437279-01  
 Client ID: SV-04  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/01/24 11:48  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/05/24 22:10  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.289	0.200	--	0.597	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.37	5.00	--	12.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.49	1.00	--	10.7	2.38	--		1
Trichlorofluoromethane	0.256	0.200	--	1.44	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	6.35	0.500	--	19.2	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.978	0.500	--	2.88	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

### SAMPLE RESULTS

Lab ID: L2437279-01  
 Client ID: SV-04  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/01/24 11:48  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	21.1	0.200	--	103	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.574	0.200	--	2.02	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.756	0.200	--	2.42	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.310	0.200	--	1.07	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.522	0.200	--	2.81	1.07	--		1
2,2,4-Trimethylpentane	0.353	0.200	--	1.65	0.934	--		1
Heptane	0.327	0.200	--	1.34	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.11	0.200	--	7.95	0.754	--		1
2-Hexanone	0.292	0.200	--	1.20	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.934	0.200	--	6.33	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.330	0.200	--	1.43	0.869	--		1



**Project Name:** 515-519 W 43RD ST**Lab Number:** L2437279**Project Number:** 0211280**Report Date:** 07/08/24**SAMPLE RESULTS**

Lab ID: L2437279-01

Date Collected: 07/01/24 11:48

Client ID: SV-04

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST, NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	1.21	0.400	--	5.26	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.459	0.200	--	1.99	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.414	0.200	--	2.04	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

### SAMPLE RESULTS

Lab ID: L2437279-02  
 Client ID: SV-01  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/01/24 14:18  
 Date Received: 07/01/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/05/24 22:49  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.67	1.00	--	8.72	2.38	--		1
Trichlorofluoromethane	0.284	0.200	--	1.60	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.27	0.500	--	22.0	1.52	--		1
Methylene chloride	1.10	0.500	--	3.82	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.804	0.500	--	2.37	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 515-519 W 43RD ST**Lab Number:** L2437279**Project Number:** 0211280**Report Date:** 07/08/24**SAMPLE RESULTS**

Lab ID: L2437279-02

Date Collected: 07/01/24 14:18

Client ID: SV-01

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST, NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	22.7	0.200	--	111	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.60	0.200	--	5.64	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.236	0.200	--	0.754	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.827	0.200	--	4.44	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.453	0.200	--	1.86	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.903	0.200	--	3.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.96	0.200	--	20.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



**Project Name:** 515-519 W 43RD ST**Lab Number:** L2437279**Project Number:** 0211280**Report Date:** 07/08/24**SAMPLE RESULTS**

Lab ID: L2437279-02

Date Collected: 07/01/24 14:18

Client ID: SV-01

Date Received: 07/01/24

Sample Location: 515-519 W 43RD ST, NY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	0.550	0.400	--	2.39	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.224	0.200	--	0.973	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: 515-519 W 43RD ST

Lab Number: L2437279

Project Number: 0211280

Report Date: 07/08/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/05/24 12:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1943565-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 515-519 W 43RD ST

Lab Number: L2437279

Project Number: 0211280

Report Date: 07/08/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/05/24 12:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1943565-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 515-519 W 43RD ST

Lab Number: L2437279

Project Number: 0211280

Report Date: 07/08/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/05/24 12:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1943565-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437279

Project Number: 0211280

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1943565-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	106		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	112		-		40-160	-		
Trichlorofluoromethane	103		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	106		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	103		-		70-130	-		
Freon-113	104		-		70-130	-		
trans-1,2-Dichloroethene	104		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
2-Butanone	101		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2437279

Project Number: 0211280

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1943565-3								
Ethyl Acetate	112		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	101		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	109		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	121		-		70-130	-		
Dibromochloromethane	117		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2437279

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1943565-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	103		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2,4-Trichlorobenzene	89		-		70-130	-		
Naphthalene	80		-		70-130	-		
Hexachlorobutadiene	76		-		70-130	-		

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Serial\_No:07082414:14  
Lab Number: L2437279

Report Date: 07/08/24

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2437279-01	SV-04	01555	Flow 1	06/25/24	473970		-	-	-	Pass	40.0	19.5	69
L2437279-01	SV-04	2054	6.0L Can	06/25/24	473970	L2433186-08	Pass	-29.0	-8.5	-	-	-	-
L2437279-02	SV-01	01008	Flow 1	06/25/24	473970		-	-	-	Pass	40.1	29.7	30
L2437279-02	SV-01	2097	6.0L Can	06/25/24	473970	L2433186-07	Pass	-29.0	-8.4	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

**Lab ID:** L2433186-07  
**Client ID:** CAN 2565 SHELF 62  
**Sample Location:**

**Date Collected:** 06/13/24 12:00  
**Date Received:** 06/13/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 06/17/24 18:41  
**Analyst:** JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 06/17/24 18:41  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-07  
 Client ID: CAN 2565 SHELF 62  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 06/17/24 19:12  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 06/17/24 19:12  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/08/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211280

Serial\_No:07082414:14

**Lab Number:** L2437279

**Report Date:** 07/08/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information**

**Container ID**    **Container Type**

<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
NA	NA			Y	Absent		TO15-LL(30)
NA	NA			Y	Absent		TO15-LL(30)

L2437279-01A    Canister - 2.7L (Batch Certified)

L2437279-02A    Canister - 2.7L (Batch Certified)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

## 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: Data Usability Report



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

### 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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2437279  
**Report Date:** 07/08/24

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** EPA RSK-175 Dissolved Gases

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, 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.





## ANALYTICAL REPORT

Lab Number:	L2438736
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	515-519 W 43RD ST
Project Number:	0211280
Report Date:	07/23/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

---

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



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2438736-01	SB-05_0-2	SOIL	515-519 W 43RD ST NY, NY	07/10/24 08:15	07/10/24
L2438736-02	SB-05_2-4	SOIL	515-519 W 43RD ST NY, NY	07/10/24 08:18	07/10/24
L2438736-03	SB-02_0-2	SOIL	515-519 W 43RD ST NY, NY	07/10/24 08:40	07/10/24
L2438736-04	SB-02_2-4	SOIL	515-519 W 43RD ST NY, NY	07/10/24 08:45	07/10/24
L2438736-05	SB-07_2-4	SOIL	515-519 W 43RD ST NY, NY	07/10/24 09:35	07/10/24
L2438736-06	SB-08_0-2	SOIL	515-519 W 43RD ST NY, NY	07/10/24 12:00	07/10/24
L2438736-09	TRIP BLANK	WATER	515-519 W 43RD ST NY, NY	07/10/24 00:00	07/10/24

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### 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:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### Case Narrative (continued)

#### Report Submission

July 23, 2024: This final report includes the results of all requested analyses.

July 17, 2024: This is a preliminary report.

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

#### Sample Receipt

L2438736-09: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

#### Semivolatile Organics

L2438736-04: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

#### Total Metals

L2438736-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

*Melissa Sturgis* Melissa Sturgis

Title: Technical Director/Representative

Date: 07/23/24

# ORGANICS

# VOLATILES

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-01  
**Client ID:** SB-05\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:15  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/12/24 20:39  
**Analyst:** AJK  
**Percent Solids:** 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	0.92		ug/kg	0.52	0.17	1
Toluene	1.5		ug/kg	1.0	0.57	1
Ethylbenzene	1.2		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-01  
 Client ID: SB-05\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:15  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	1.8	J	ug/kg	2.1	0.58	1
o-Xylene	3.7		ug/kg	1.0	0.30	1
Xylenes, Total	5.5	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	0.87	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.57	J	ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-01  
**Client ID:** SB-05\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:15  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.52	J	ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	1.6	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	2.2		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	37.	1
p-Diethylbenzene	0.66	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	1.6	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-02  
**Client ID:** SB-05\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:18  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/11/24 18:20  
**Analyst:** JIC  
**Percent Solids:** 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	0.70		ug/kg	0.52	0.17	1
Toluene	1.3		ug/kg	1.0	0.56	1
Ethylbenzene	0.29	J	ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-02  
 Client ID: SB-05\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:18  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.89	J	ug/kg	2.1	0.58	1
o-Xylene	0.31	J	ug/kg	1.0	0.30	1
Xylenes, Total	1.2	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-02  
**Client ID:** SB-05\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:18  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-03  
**Client ID:** SB-02\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:40  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/11/24 18:59  
**Analyst:** JIC  
**Percent Solids:** 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	0.36	J	ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-03  
 Client ID: SB-02\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:40  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

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

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-03  
**Client ID:** SB-02\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:40  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

Lab ID: L2438736-04  
 Client ID: SB-02\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:45  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/12/24 21:06  
 Analyst: AJK  
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	52	7.6	1
Chloroform	ND		ug/kg	78	7.3	1
Carbon tetrachloride	ND		ug/kg	52	12.	1
1,2-Dichloropropane	ND		ug/kg	52	6.5	1
Dibromochloromethane	ND		ug/kg	52	7.3	1
1,1,2-Trichloroethane	ND		ug/kg	52	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.6	1
Trichlorofluoromethane	ND		ug/kg	210	36.	1
1,2-Dichloroethane	ND		ug/kg	52	13.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.7	1
Bromodichloromethane	ND		ug/kg	26	5.7	1
trans-1,3-Dichloropropene	ND		ug/kg	52	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.3	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.3	1
1,1-Dichloropropene	ND		ug/kg	26	8.3	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.7	1
Benzene	ND		ug/kg	26	8.7	1
Toluene	ND		ug/kg	52	28.	1
Ethylbenzene	420		ug/kg	52	7.4	1
Chloromethane	ND		ug/kg	210	49.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	52	18.	1
Chloroethane	ND		ug/kg	100	24.	1
1,1-Dichloroethene	ND		ug/kg	52	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	78	7.2	1

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2438736**Project Number:** 0211280**Report Date:** 07/23/24**SAMPLE RESULTS**

Lab ID: L2438736-04  
 Client ID: SB-02\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:45  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	26	7.2	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.5	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.8	1
1,4-Dichlorobenzene	ND		ug/kg	100	9.0	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	1800		ug/kg	100	29.	1
o-Xylene	51	J	ug/kg	52	15.	1
Xylenes, Total	1900	J	ug/kg	52	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	52	9.2	1
1,2-Dichloroethene, Total	ND		ug/kg	52	7.2	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	52	10.	1
Dichlorodifluoromethane	ND		ug/kg	520	48.	1
Acetone	ND		ug/kg	520	250	1
Carbon disulfide	ND		ug/kg	520	240	1
2-Butanone	ND		ug/kg	520	120	1
Vinyl acetate	ND		ug/kg	520	110	1
4-Methyl-2-pentanone	ND		ug/kg	520	67.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.6	1
2-Hexanone	ND		ug/kg	520	62.	1
Bromochloromethane	ND		ug/kg	100	11.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	52	15.	1
1,3-Dichloropropane	ND		ug/kg	100	8.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.9	1
Bromobenzene	ND		ug/kg	100	7.6	1
n-Butylbenzene	1100		ug/kg	52	8.7	1
sec-Butylbenzene	390		ug/kg	52	7.6	1
tert-Butylbenzene	ND		ug/kg	100	6.2	1
o-Chlorotoluene	ND		ug/kg	100	10.	1
p-Chlorotoluene	ND		ug/kg	100	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	52.	1
Hexachlorobutadiene	ND		ug/kg	210	8.8	1
Isopropylbenzene	320		ug/kg	52	5.7	1
p-Isopropyltoluene	270		ug/kg	52	5.7	1
Naphthalene	1200		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	60.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-04  
**Client ID:** SB-02\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:45  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
n-Propylbenzene	1300		ug/kg	52	9.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	3000		ug/kg	100	10.	1
1,2,4-Trimethylbenzene	11000		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4200	1800	1
p-Diethylbenzene	7900		ug/kg	100	9.3	1
p-Ethyltoluene	7600		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	3100		ug/kg	100	10.	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	74.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

Lab ID: L2438736-05 D2  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/12/24 21:32  
 Analyst: AJK  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by EPA 5035 High - Westborough Lab						
--	--	--	--	--	--	--

1,2,4-Trimethylbenzene	230000		ug/kg	6500	1100	50
------------------------	--------	--	-------	------	------	----

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2438736**Project Number:** 0211280**Report Date:** 07/23/24**SAMPLE RESULTS**

Lab ID: L2438736-05 D  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/11/24 22:55  
 Analyst: JIC  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	3300	1500	10
1,1-Dichloroethane	ND		ug/kg	650	95.	10
Chloroform	ND		ug/kg	980	91.	10
Carbon tetrachloride	ND		ug/kg	650	150	10
1,2-Dichloropropane	ND		ug/kg	650	82.	10
Dibromochloromethane	ND		ug/kg	650	91.	10
1,1,2-Trichloroethane	ND		ug/kg	650	170	10
Tetrachloroethene	ND		ug/kg	330	130	10
Chlorobenzene	ND		ug/kg	330	83.	10
Trichlorofluoromethane	ND		ug/kg	2600	450	10
1,2-Dichloroethane	ND		ug/kg	650	170	10
1,1,1-Trichloroethane	ND		ug/kg	330	110	10
Bromodichloromethane	ND		ug/kg	330	71.	10
trans-1,3-Dichloropropene	ND		ug/kg	650	180	10
cis-1,3-Dichloropropene	ND		ug/kg	330	100	10
1,3-Dichloropropene, Total	ND		ug/kg	330	100	10
1,1-Dichloropropene	ND		ug/kg	330	100	10
Bromoform	ND		ug/kg	2600	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	330	110	10
Benzene	ND		ug/kg	330	110	10
Toluene	ND		ug/kg	650	350	10
Ethylbenzene	2100		ug/kg	650	92.	10
Chloromethane	ND		ug/kg	2600	610	10
Bromomethane	ND		ug/kg	1300	380	10
Vinyl chloride	ND		ug/kg	650	220	10
Chloroethane	ND		ug/kg	1300	300	10
1,1-Dichloroethene	ND		ug/kg	650	160	10
trans-1,2-Dichloroethene	ND		ug/kg	980	90.	10

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-05 D  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	330	90.	10
1,2-Dichlorobenzene	ND		ug/kg	1300	94.	10
1,3-Dichlorobenzene	ND		ug/kg	1300	97.	10
1,4-Dichlorobenzene	ND		ug/kg	1300	110	10
Methyl tert butyl ether	ND		ug/kg	1300	130	10
p/m-Xylene	110000		ug/kg	1300	360	10
o-Xylene	28000		ug/kg	650	190	10
Xylenes, Total	140000		ug/kg	650	190	10
cis-1,2-Dichloroethene	ND		ug/kg	650	110	10
1,2-Dichloroethene, Total	ND		ug/kg	650	90.	10
Dibromomethane	ND		ug/kg	1300	160	10
Styrene	ND		ug/kg	650	130	10
Dichlorodifluoromethane	ND		ug/kg	6500	600	10
Acetone	ND		ug/kg	6500	3100	10
Carbon disulfide	ND		ug/kg	6500	3000	10
2-Butanone	ND		ug/kg	6500	1400	10
Vinyl acetate	ND		ug/kg	6500	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6500	840	10
1,2,3-Trichloropropane	ND		ug/kg	1300	83.	10
2-Hexanone	ND		ug/kg	6500	770	10
Bromochloromethane	ND		ug/kg	1300	130	10
2,2-Dichloropropane	ND		ug/kg	1300	130	10
1,2-Dibromoethane	ND		ug/kg	650	180	10
1,3-Dichloropropane	ND		ug/kg	1300	110	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	330	86.	10
Bromobenzene	ND		ug/kg	1300	95.	10
n-Butylbenzene	11000		ug/kg	650	110	10
sec-Butylbenzene	1100		ug/kg	650	95.	10
tert-Butylbenzene	ND		ug/kg	1300	77.	10
o-Chlorotoluene	ND		ug/kg	1300	120	10
p-Chlorotoluene	ND		ug/kg	1300	70.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	650	10
Hexachlorobutadiene	ND		ug/kg	2600	110	10
Isopropylbenzene	220	J	ug/kg	650	71.	10
p-Isopropyltoluene	2200		ug/kg	650	71.	10
Naphthalene	34000		ug/kg	2600	420	10
Acrylonitrile	ND		ug/kg	2600	750	10

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-05 D  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	290	J	ug/kg	650	110	10
1,2,3-Trichlorobenzene	ND		ug/kg	1300	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	10
1,3,5-Trimethylbenzene	75000		ug/kg	1300	130	10
1,2,4-Trimethylbenzene	240000	E	ug/kg	1300	220	10
1,4-Dioxane	ND		ug/kg	52000	23000	10
p-Diethylbenzene	97000		ug/kg	1300	120	10
p-Ethyltoluene	150000		ug/kg	1300	250	10
1,2,4,5-Tetramethylbenzene	29000		ug/kg	1300	120	10
Ethyl ether	ND		ug/kg	1300	220	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	3300	930	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-09  
**Client ID:** TRIP BLANK  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 00:00  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260D  
**Analytical Date:** 07/22/24 15:26  
**Analyst:** RAW

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

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-09  
 Client ID: TRIP BLANK  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 00:00  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-09  
**Client ID:** TRIP BLANK  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 00:00  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1946925-5					
Methylene chloride	2.4	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1946925-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1946925-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1946927-5					
Methylene chloride	120	J	ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1946927-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/12/24 15:47  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1946927-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1947126-5					
Methylene chloride	2.6	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1947126-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1947126-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.27	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1947132-5					
Methylene chloride	130	J	ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1947132-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 07/11/24 13:40  
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1947132-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/22/24 08:19  
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1949764-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/22/24 08:19  
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1949764-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/22/24 08:19  
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1949764-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1946925-3 WG1946925-4								
Methylene chloride	102		99		70-130	3		30
1,1-Dichloroethane	95		92		70-130	3		30
Chloroform	100		97		70-130	3		30
Carbon tetrachloride	106		103		70-130	3		30
1,2-Dichloropropane	99		96		70-130	3		30
Dibromochloromethane	121		119		70-130	2		30
1,1,2-Trichloroethane	100		98		70-130	2		30
Tetrachloroethene	95		91		70-130	4		30
Chlorobenzene	108		104		70-130	4		30
Trichlorofluoromethane	98		94		70-139	4		30
1,2-Dichloroethane	91		89		70-130	2		30
1,1,1-Trichloroethane	105		101		70-130	4		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	91		89		70-130	2		30
1,1-Dichloropropene	87		84		70-130	4		30
Bromoform	106		105		70-130	1		30
1,1,2,2-Tetrachloroethane	85		90		70-130	6		30
Benzene	100		97		70-130	3		30
Toluene	101		97		70-130	4		30
Ethylbenzene	101		97		70-130	4		30
Chloromethane	96		93		52-130	3		30
Bromomethane	66		62		57-147	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1946925-3 WG1946925-4								
Vinyl chloride	75		73		67-130	3		30
Chloroethane	80		79		50-151	1		30
1,1-Dichloroethene	95		92		65-135	3		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	118		108		70-130	9		30
1,2-Dichlorobenzene	108		104		70-130	4		30
1,3-Dichlorobenzene	107		102		70-130	5		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	116		116		66-130	0		30
p/m-Xylene	99		95		70-130	4		30
o-Xylene	98		94		70-130	4		30
cis-1,2-Dichloroethene	106		102		70-130	4		30
Dibromomethane	107		106		70-130	1		30
Styrene	99		95		70-130	4		30
Dichlorodifluoromethane	91		87		30-146	4		30
Acetone	110		114		54-140	4		30
Carbon disulfide	93		89		59-130	4		30
2-Butanone	119		122		70-130	2		30
Vinyl acetate	80		96		70-130	18		30
4-Methyl-2-pentanone	97		99		70-130	2		30
1,2,3-Trichloropropane	90		92		68-130	2		30
2-Hexanone	116		119		70-130	3		30
Bromochloromethane	124		121		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1946925-3 WG1946925-4								
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	114		114		70-130	0		30
1,3-Dichloropropane	99		98		69-130	1		30
1,1,1,2-Tetrachloroethane	111		107		70-130	4		30
Bromobenzene	105		100		70-130	5		30
n-Butylbenzene	103		96		70-130	7		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	108		102		70-130	6		30
o-Chlorotoluene	103		95		70-130	8		30
p-Chlorotoluene	101		96		70-130	5		30
1,2-Dibromo-3-chloropropane	113		116		68-130	3		30
Hexachlorobutadiene	89		85		67-130	5		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	100		94		70-130	6		30
Naphthalene	123		122		70-130	1		30
Acrylonitrile	120		122		70-130	2		30
n-Propylbenzene	102		96		70-130	6		30
1,2,3-Trichlorobenzene	106		101		70-130	5		30
1,2,4-Trichlorobenzene	107		101		70-130	6		30
1,3,5-Trimethylbenzene	105		100		70-130	5		30
1,2,4-Trimethylbenzene	103		98		70-130	5		30
1,4-Dioxane	101		103		65-136	2		30
p-Diethylbenzene	105		99		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1946925-3 WG1946925-4								
p-Ethyltoluene	105		100		70-130	5		30
1,2,4,5-Tetramethylbenzene	113		107		70-130	5		30
Ethyl ether	120		119		67-130	1		30
trans-1,4-Dichloro-2-butene	108		105		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	107		109		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1946927-3 WG1946927-4								
Methylene chloride	102		99		70-130	3		30
1,1-Dichloroethane	95		92		70-130	3		30
Chloroform	100		97		70-130	3		30
Carbon tetrachloride	106		103		70-130	3		30
1,2-Dichloropropane	99		96		70-130	3		30
Dibromochloromethane	121		119		70-130	2		30
1,1,2-Trichloroethane	100		98		70-130	2		30
Tetrachloroethene	95		91		70-130	4		30
Chlorobenzene	108		104		70-130	4		30
Trichlorofluoromethane	98		94		70-139	4		30
1,2-Dichloroethane	91		89		70-130	2		30
1,1,1-Trichloroethane	105		101		70-130	4		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	91		89		70-130	2		30
1,1-Dichloropropene	87		84		70-130	4		30
Bromoform	106		105		70-130	1		30
1,1,2,2-Tetrachloroethane	85		90		70-130	6		30
Benzene	100		97		70-130	3		30
Toluene	101		97		70-130	4		30
Ethylbenzene	101		97		70-130	4		30
Chloromethane	96		93		52-130	3		30
Bromomethane	66		62		57-147	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1946927-3 WG1946927-4								
Vinyl chloride	75		73		67-130	3		30
Chloroethane	80		79		50-151	1		30
1,1-Dichloroethene	95		92		65-135	3		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	118		108		70-130	9		30
1,2-Dichlorobenzene	108		104		70-130	4		30
1,3-Dichlorobenzene	107		102		70-130	5		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	116		116		66-130	0		30
p/m-Xylene	99		95		70-130	4		30
o-Xylene	98		94		70-130	4		30
cis-1,2-Dichloroethene	106		102		70-130	4		30
Dibromomethane	107		106		70-130	1		30
Styrene	99		95		70-130	4		30
Dichlorodifluoromethane	91		87		30-146	4		30
Acetone	110		114		54-140	4		30
Carbon disulfide	93		89		59-130	4		30
2-Butanone	119		122		70-130	2		30
Vinyl acetate	80		96		70-130	18		30
4-Methyl-2-pentanone	97		99		70-130	2		30
1,2,3-Trichloropropane	90		92		68-130	2		30
2-Hexanone	116		119		70-130	3		30
Bromochloromethane	124		121		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1946927-3 WG1946927-4								
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	114		114		70-130	0		30
1,3-Dichloropropane	99		98		69-130	1		30
1,1,1,2-Tetrachloroethane	111		107		70-130	4		30
Bromobenzene	105		100		70-130	5		30
n-Butylbenzene	103		96		70-130	7		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	108		102		70-130	6		30
o-Chlorotoluene	103		95		70-130	8		30
p-Chlorotoluene	101		96		70-130	5		30
1,2-Dibromo-3-chloropropane	113		116		68-130	3		30
Hexachlorobutadiene	89		85		67-130	5		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	100		94		70-130	6		30
Naphthalene	123		122		70-130	1		30
Acrylonitrile	120		122		70-130	2		30
n-Propylbenzene	102		96		70-130	6		30
1,2,3-Trichlorobenzene	106		101		70-130	5		30
1,2,4-Trichlorobenzene	107		101		70-130	6		30
1,3,5-Trimethylbenzene	105		100		70-130	5		30
1,2,4-Trimethylbenzene	103		98		70-130	5		30
1,4-Dioxane	101		103		65-136	2		30
p-Diethylbenzene	105		99		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1946927-3 WG1946927-4								
p-Ethyltoluene	105		100		70-130	5		30
1,2,4,5-Tetramethylbenzene	113		107		70-130	5		30
Ethyl ether	120		119		67-130	1		30
trans-1,4-Dichloro-2-butene	108		105		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	107		109		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1947126-3 WG1947126-4								
Methylene chloride	103		99		70-130	4		30
1,1-Dichloroethane	105		100		70-130	5		30
Chloroform	106		101		70-130	5		30
Carbon tetrachloride	99		96		70-130	3		30
1,2-Dichloropropane	108		104		70-130	4		30
Dibromochloromethane	100		99		70-130	1		30
1,1,2-Trichloroethane	105		101		70-130	4		30
Tetrachloroethene	98		93		70-130	5		30
Chlorobenzene	105		101		70-130	4		30
Trichlorofluoromethane	113		104		70-139	8		30
1,2-Dichloroethane	103		100		70-130	3		30
1,1,1-Trichloroethane	103		98		70-130	5		30
Bromodichloromethane	106		103		70-130	3		30
trans-1,3-Dichloropropene	106		103		70-130	3		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	100		97		70-130	3		30
Benzene	109		103		70-130	6		30
Toluene	107		101		70-130	6		30
Ethylbenzene	109		104		70-130	5		30
Chloromethane	103		92		52-130	11		30
Bromomethane	93		88		57-147	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1947126-3 WG1947126-4								
Vinyl chloride	116		105		67-130	10		30
Chloroethane	110		101		50-151	9		30
1,1-Dichloroethene	103		97		65-135	6		30
trans-1,2-Dichloroethene	104		98		70-130	6		30
Trichloroethene	111		107		70-130	4		30
1,2-Dichlorobenzene	103		101		70-130	2		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	104		101		70-130	3		30
Methyl tert butyl ether	118		114		66-130	3		30
p/m-Xylene	108		104		70-130	4		30
o-Xylene	107		102		70-130	5		30
cis-1,2-Dichloroethene	103		98		70-130	5		30
Dibromomethane	105		103		70-130	2		30
Styrene	113		108		70-130	5		30
Dichlorodifluoromethane	104		93		30-146	11		30
Acetone	124		118		54-140	5		30
Carbon disulfide	95		88		59-130	8		30
2-Butanone	119		116		70-130	3		30
Vinyl acetate	92		76		70-130	19		30
4-Methyl-2-pentanone	107		107		70-130	0		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	122		120		70-130	2		30
Bromochloromethane	103		100		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1947126-3 WG1947126-4								
2,2-Dichloropropane	104		98		70-130	6		30
1,2-Dibromoethane	105		102		70-130	3		30
1,3-Dichloropropane	105		101		69-130	4		30
1,1,1,2-Tetrachloroethane	99		96		70-130	3		30
Bromobenzene	101		101		70-130	0		30
n-Butylbenzene	109		104		70-130	5		30
sec-Butylbenzene	110		105		70-130	5		30
tert-Butylbenzene	105		101		70-130	4		30
o-Chlorotoluene	106		103		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	103		106		68-130	3		30
Hexachlorobutadiene	106		102		67-130	4		30
Isopropylbenzene	108		106		70-130	2		30
p-Isopropyltoluene	107		103		70-130	4		30
Naphthalene	119		120		70-130	1		30
Acrylonitrile	127		126		70-130	1		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	141	Q	142	Q	70-130	1		30
1,2,4-Trichlorobenzene	114		111		70-130	3		30
1,3,5-Trimethylbenzene	107		104		70-130	3		30
1,2,4-Trimethylbenzene	108		105		70-130	3		30
1,4-Dioxane	99		102		65-136	3		30
p-Diethylbenzene	106		101		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1947126-3 WG1947126-4								
p-Ethyltoluene	108		104		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		106		70-130	2		30
Ethyl ether	120		116		67-130	3		30
trans-1,4-Dichloro-2-butene	131	Q	128		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	103		102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1947132-3 WG1947132-4								
Methylene chloride	103		99		70-130	4		30
1,1-Dichloroethane	105		100		70-130	5		30
Chloroform	106		101		70-130	5		30
Carbon tetrachloride	99		96		70-130	3		30
1,2-Dichloropropane	108		104		70-130	4		30
Dibromochloromethane	100		99		70-130	1		30
1,1,2-Trichloroethane	105		101		70-130	4		30
Tetrachloroethene	98		93		70-130	5		30
Chlorobenzene	105		101		70-130	4		30
Trichlorofluoromethane	113		104		70-139	8		30
1,2-Dichloroethane	103		100		70-130	3		30
1,1,1-Trichloroethane	103		98		70-130	5		30
Bromodichloromethane	106		103		70-130	3		30
trans-1,3-Dichloropropene	106		103		70-130	3		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	100		97		70-130	3		30
Benzene	109		103		70-130	6		30
Toluene	107		101		70-130	6		30
Ethylbenzene	109		104		70-130	5		30
Chloromethane	103		92		52-130	11		30
Bromomethane	93		88		57-147	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1947132-3 WG1947132-4								
Vinyl chloride	116		105		67-130	10		30
Chloroethane	110		101		50-151	9		30
1,1-Dichloroethene	103		97		65-135	6		30
trans-1,2-Dichloroethene	104		98		70-130	6		30
Trichloroethene	111		107		70-130	4		30
1,2-Dichlorobenzene	103		101		70-130	2		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	104		101		70-130	3		30
Methyl tert butyl ether	118		114		66-130	3		30
p/m-Xylene	108		104		70-130	4		30
o-Xylene	107		102		70-130	5		30
cis-1,2-Dichloroethene	103		98		70-130	5		30
Dibromomethane	105		103		70-130	2		30
Styrene	113		108		70-130	5		30
Dichlorodifluoromethane	104		93		30-146	11		30
Acetone	124		118		54-140	5		30
Carbon disulfide	95		88		59-130	8		30
2-Butanone	119		116		70-130	3		30
Vinyl acetate	92		76		70-130	19		30
4-Methyl-2-pentanone	107		107		70-130	0		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	122		120		70-130	2		30
Bromochloromethane	103		100		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1947132-3 WG1947132-4								
2,2-Dichloropropane	104		98		70-130	6		30
1,2-Dibromoethane	105		102		70-130	3		30
1,3-Dichloropropane	105		101		69-130	4		30
1,1,1,2-Tetrachloroethane	99		96		70-130	3		30
Bromobenzene	101		101		70-130	0		30
n-Butylbenzene	109		104		70-130	5		30
sec-Butylbenzene	110		105		70-130	5		30
tert-Butylbenzene	105		101		70-130	4		30
o-Chlorotoluene	106		103		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	103		106		68-130	3		30
Hexachlorobutadiene	106		102		67-130	4		30
Isopropylbenzene	108		106		70-130	2		30
p-Isopropyltoluene	107		103		70-130	4		30
Naphthalene	119		120		70-130	1		30
Acrylonitrile	127		126		70-130	1		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	141	Q	142	Q	70-130	1		30
1,2,4-Trichlorobenzene	114		111		70-130	3		30
1,3,5-Trimethylbenzene	107		104		70-130	3		30
1,2,4-Trimethylbenzene	108		105		70-130	3		30
1,4-Dioxane	99		102		65-136	3		30
p-Diethylbenzene	106		101		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1947132-3 WG1947132-4								
p-Ethyltoluene	108		104		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		106		70-130	2		30
Ethyl ether	120		116		67-130	3		30
trans-1,4-Dichloro-2-butene	131	Q	128		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	103		102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1949764-3 WG1949764-4								
Methylene chloride	88		88		70-130	0		20
1,1-Dichloroethane	96		94		70-130	2		20
Chloroform	95		95		70-130	0		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	92		93		70-130	1		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	90		90		70-130	0		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	99		92		62-150	7		20
1,2-Dichloroethane	84		83		70-130	1		20
1,1,1-Trichloroethane	95		95		67-130	0		20
Bromodichloromethane	91		90		67-130	1		20
trans-1,3-Dichloropropene	94		91		70-130	3		20
cis-1,3-Dichloropropene	92		88		70-130	4		20
1,1-Dichloropropene	94		95		70-130	1		20
Bromoform	76		77		54-136	1		20
1,1,2,2-Tetrachloroethane	96		98		67-130	2		20
Benzene	94		94		70-130	0		20
Toluene	98		98		70-130	0		20
Ethylbenzene	94		93		70-130	1		20
Chloromethane	78		75		64-130	4		20
Bromomethane	41		46		39-139	11		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1949764-3 WG1949764-4								
Vinyl chloride	97		94		55-140	3		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	90		92		61-145	2		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	85		84		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	78		77		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	94		93		70-130	1		20
Dibromomethane	86		84		70-130	2		20
1,2,3-Trichloropropane	88		88		64-130	0		20
Acrylonitrile	79		78		70-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	77		73		36-147	5		20
Acetone	66		63		58-148	5		20
Carbon disulfide	93		93		51-130	0		20
2-Butanone	70		71		63-138	1		20
Vinyl acetate	89		86		70-130	3		20
4-Methyl-2-pentanone	71		69		59-130	3		20
2-Hexanone	66		66		57-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1949764-3 WG1949764-4								
Bromochloromethane	89		87		70-130	2		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	92		92		70-130	0		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	100		98		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	81		88		41-144	8		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	99		99		70-130	0		20
Naphthalene	84		87		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	93		92		70-130	1		20
1,2,4-Trichlorobenzene	95		98		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20
1,4-Dioxane	80		78		56-162	3		20
p-Diethylbenzene	99		98		70-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1949764-3 WG1949764-4								
p-Ethyltoluene	99		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		20
Ethyl ether	92		91		59-134	1		20
trans-1,4-Dichloro-2-butene	92		91		70-130	1		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	98		100		70-130

# SEMIVOLATILES

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

Lab ID: L2438736-01  
 Client ID: SB-05\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:15  
 Date Received: 07/10/24  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/15/24 03:22  
 Analyst: SZ  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	220		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-01  
 Client ID: SB-05\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:15  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	140		ug/kg	110	32.	1
Benzo(k)fluoranthene	35	J	ug/kg	110	30.	1
Chrysene	110		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	40	J	ug/kg	110	37.	1
Benzo(ghi)perylene	65	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	160		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	64	J	ug/kg	150	26.	1
Pyrene	210		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-01  
**Client ID:** SB-05\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:15  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	73		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-02  
**Client ID:** SB-05\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:18  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/15/24 03:45  
**Analyst:** SZ  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-02  
 Client ID: SB-05\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:18  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2438736**Project Number:** 0211280**Report Date:** 07/23/24**SAMPLE RESULTS**

Lab ID: L2438736-02  
 Client ID: SB-05\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:18  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-03  
**Client ID:** SB-02\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:40  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/15/24 04:08  
**Analyst:** SZ  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	92	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-03  
 Client ID: SB-02\_0-2  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:40  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	44	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	47	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	38	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	24	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	77	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	86	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-03  
**Client ID:** SB-02\_0-2  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:40  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	82		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-04  
**Client ID:** SB-02\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:45  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/15/24 04:32  
**Analyst:** SZ  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	270	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	39.	1
Hexachlorobenzene	ND		ug/kg	200	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	310	46.	1
2-Chloronaphthalene	ND		ug/kg	340	34.	1
1,2-Dichlorobenzene	ND		ug/kg	340	62.	1
1,3-Dichlorobenzene	ND		ug/kg	340	59.	1
1,4-Dichlorobenzene	ND		ug/kg	340	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	340	91.	1
2,4-Dinitrotoluene	ND		ug/kg	340	68.	1
2,6-Dinitrotoluene	ND		ug/kg	340	59.	1
Fluoranthene	ND		ug/kg	200	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	340	37.	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	410	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	34.	1
Hexachlorobutadiene	ND		ug/kg	340	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	980	310	1
Hexachloroethane	ND		ug/kg	270	55.	1
Isophorone	ND		ug/kg	310	44.	1
Naphthalene	ND		ug/kg	340	42.	1
Nitrobenzene	ND		ug/kg	310	51.	1
NDPA/DPA	ND		ug/kg	270	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	340	53.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	340	120	1
Butyl benzyl phthalate	ND		ug/kg	340	86.	1
Di-n-butylphthalate	ND		ug/kg	340	65.	1
Di-n-octylphthalate	ND		ug/kg	340	120	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-04  
 Client ID: SB-02\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:45  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	340	32.	1
Dimethyl phthalate	ND		ug/kg	340	72.	1
Benzo(a)anthracene	ND		ug/kg	200	39.	1
Benzo(a)pyrene	ND		ug/kg	270	84.	1
Benzo(b)fluoranthene	ND		ug/kg	200	58.	1
Benzo(k)fluoranthene	ND		ug/kg	200	55.	1
Chrysene	ND		ug/kg	200	36.	1
Acenaphthylene	ND		ug/kg	270	53.	1
Anthracene	ND		ug/kg	200	67.	1
Benzo(ghi)perylene	ND		ug/kg	270	40.	1
Fluorene	ND		ug/kg	340	33.	1
Phenanthrene	ND		ug/kg	200	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	200	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	270	48.	1
Pyrene	ND		ug/kg	200	34.	1
Biphenyl	ND		ug/kg	780	44.	1
4-Chloroaniline	ND		ug/kg	340	62.	1
2-Nitroaniline	ND		ug/kg	340	66.	1
3-Nitroaniline	ND		ug/kg	340	65.	1
4-Nitroaniline	ND		ug/kg	340	140	1
Dibenzofuran	ND		ug/kg	340	32.	1
2-Methylnaphthalene	120	J	ug/kg	410	41.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	340	36.	1
Acetophenone	ND		ug/kg	340	42.	1
2,4,6-Trichlorophenol	ND		ug/kg	200	65.	1
p-Chloro-m-cresol	ND		ug/kg	340	51.	1
2-Chlorophenol	ND		ug/kg	340	40.	1
2,4-Dichlorophenol	ND		ug/kg	310	55.	1
2,4-Dimethylphenol	ND		ug/kg	340	110	1
2-Nitrophenol	ND		ug/kg	740	130	1
4-Nitrophenol	ND		ug/kg	480	140	1
2,4-Dinitrophenol	ND		ug/kg	1600	160	1
4,6-Dinitro-o-cresol	ND		ug/kg	890	160	1
Pentachlorophenol	ND		ug/kg	270	75.	1
Phenol	ND		ug/kg	340	52.	1
2-Methylphenol	ND		ug/kg	340	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	490	54.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-04  
**Client ID:** SB-02\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 08:45  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	340	66.	1
Benzoic Acid	ND		ug/kg	1100	350	1
Benzyl Alcohol	ND		ug/kg	340	100	1
Carbazole	ND		ug/kg	340	33.	1
1,4-Dioxane	ND		ug/kg	51	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-05  
**Client ID:** SB-07\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 09:35  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 07/15/24 04:55  
**Analyst:** SZ  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	62	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	94	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	6500		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-05  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	41	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	36	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	35	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	60	J	ug/kg	120	37.	1
Benzo(ghi)perylene	24	J	ug/kg	150	23.	1
Fluorene	200		ug/kg	190	19.	1
Phenanthrene	290		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	140		ug/kg	120	19.	1
Biphenyl	110	J	ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	8100	E	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	140	J	ug/kg	280	30.	1

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**SAMPLE RESULTS**

**Lab ID:** L2438736-05  
**Client ID:** SB-07\_2-4  
**Sample Location:** 515-519 W 43RD ST NY, NY

**Date Collected:** 07/10/24 09:35  
**Date Received:** 07/10/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	79		18-120

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2438736**Project Number:** 0211280**Report Date:** 07/23/24**SAMPLE RESULTS**

Lab ID: L2438736-05 D  
 Client ID: SB-07\_2-4  
 Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 09:35  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/15/24 15:20  
 Analyst: SZ  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Methylnaphthalene	8800		ug/kg	2300	230	10

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/14/24 13:33  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1946497-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/14/24 13:33  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1946497-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Method Blank Analysis  
Batch Quality Control**

**Analytical Method:** 1,8270E  
**Analytical Date:** 07/14/24 13:33  
**Analyst:** CMM

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/13/24 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1946497-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	80		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1946497-2 WG1946497-3								
Acenaphthene	69		63		31-137	9		50
1,2,4-Trichlorobenzene	66		62		38-107	6		50
Hexachlorobenzene	68		64		40-140	6		50
Bis(2-chloroethyl)ether	68		63		40-140	8		50
2-Chloronaphthalene	71		66		40-140	7		50
1,2-Dichlorobenzene	66		61		40-140	8		50
1,3-Dichlorobenzene	63		59		40-140	7		50
1,4-Dichlorobenzene	65		60		28-104	8		50
3,3'-Dichlorobenzidine	62		53		40-140	16		50
2,4-Dinitrotoluene	77		72		40-132	7		50
2,6-Dinitrotoluene	83		78		40-140	6		50
Fluoranthene	78		72		40-140	8		50
4-Chlorophenyl phenyl ether	68		63		40-140	8		50
4-Bromophenyl phenyl ether	70		66		40-140	6		50
Bis(2-chloroisopropyl)ether	67		62		40-140	8		50
Bis(2-chloroethoxy)methane	74		68		40-117	8		50
Hexachlorobutadiene	64		60		40-140	6		50
Hexachlorocyclopentadiene	64		61		40-140	5		50
Hexachloroethane	66		61		40-140	8		50
Isophorone	72		67		40-140	7		50
Naphthalene	68		62		40-140	9		50
Nitrobenzene	72		66		40-140	9		50
NDPA/DPA	72		67		36-157	7		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1946497-2 WG1946497-3								
n-Nitrosodi-n-propylamine	72		66		32-121	9		50
Bis(2-ethylhexyl)phthalate	90		82		40-140	9		50
Butyl benzyl phthalate	95		89		40-140	7		50
Di-n-butylphthalate	90		82		40-140	9		50
Di-n-octylphthalate	88		81		40-140	8		50
Diethyl phthalate	76		70		40-140	8		50
Dimethyl phthalate	77		71		40-140	8		50
Benzo(a)anthracene	70		64		40-140	9		50
Benzo(a)pyrene	76		69		40-140	10		50
Benzo(b)fluoranthene	76		69		40-140	10		50
Benzo(k)fluoranthene	69		63		40-140	9		50
Chrysene	66		60		40-140	10		50
Acenaphthylene	76		70		40-140	8		50
Anthracene	77		70		40-140	10		50
Benzo(ghi)perylene	76		67		40-140	13		50
Fluorene	70		65		40-140	7		50
Phenanthrene	73		67		40-140	9		50
Dibenzo(a,h)anthracene	75		67		40-140	11		50
Indeno(1,2,3-cd)pyrene	81		72		40-140	12		50
Pyrene	77		72		35-142	7		50
Biphenyl	74		69		37-127	7		50
4-Chloroaniline	49		43		40-140	13		50
2-Nitroaniline	86		81		47-134	6		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1946497-2 WG1946497-3								
3-Nitroaniline	70		62		26-129	12		50
4-Nitroaniline	79		74		41-125	7		50
Dibenzofuran	68		63		40-140	8		50
2-Methylnaphthalene	73		67		40-140	9		50
1,2,4,5-Tetrachlorobenzene	74		70		40-117	6		50
Acetophenone	75		69		14-144	8		50
2,4,6-Trichlorophenol	76		71		30-130	7		50
p-Chloro-m-cresol	79		73		26-103	8		50
2-Chlorophenol	72		67		25-102	7		50
2,4-Dichlorophenol	78		71		30-130	9		50
2,4-Dimethylphenol	70		64		30-130	9		50
2-Nitrophenol	85		78		30-130	9		50
4-Nitrophenol	78		72		11-114	8		50
2,4-Dinitrophenol	68		64		4-130	6		50
4,6-Dinitro-o-cresol	73		71		10-130	3		50
Pentachlorophenol	60		55		17-109	9		50
Phenol	72		65		26-90	10		50
2-Methylphenol	74		69		30-130	7		50
3-Methylphenol/4-Methylphenol	75		68		30-130	10		50
2,4,5-Trichlorophenol	77		72		30-130	7		50
Benzoic Acid	38		29		10-110	27		50
Benzyl Alcohol	73		67		40-140	9		50
Carbazole	76		70		54-128	8		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1946497-2 WG1946497-3								
1,4-Dioxane	46		45		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		66		25-120
Phenol-d6	74		67		10-120
Nitrobenzene-d5	71		65		23-120
2-Fluorobiphenyl	69		63		30-120
2,4,6-Tribromophenol	77		71		10-136
4-Terphenyl-d14	75		70		18-120

## METALS

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-01

Date Collected: 07/10/24 08:15

Client ID: SB-05\_0-2

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6000		mg/kg	8.94	2.42	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Antimony, Total	0.561	J	mg/kg	4.47	0.340	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Arsenic, Total	7.68		mg/kg	0.894	0.186	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Barium, Total	77.3		mg/kg	0.894	0.156	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.362	J	mg/kg	0.447	0.030	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.894	0.088	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Calcium, Total	16600		mg/kg	8.94	3.13	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Chromium, Total	22.7		mg/kg	0.894	0.086	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Cobalt, Total	5.54		mg/kg	1.79	0.148	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Copper, Total	37.0		mg/kg	0.894	0.231	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Iron, Total	22500		mg/kg	4.47	0.808	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Lead, Total	39.5		mg/kg	4.47	0.240	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Magnesium, Total	2190		mg/kg	8.94	1.38	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Manganese, Total	213		mg/kg	0.894	0.142	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.072	0.047	1	07/11/24 09:10	07/17/24 00:03	EPA 7471B	1,7471B	DJR
Nickel, Total	16.7		mg/kg	2.24	0.216	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Potassium, Total	2290		mg/kg	224	12.9	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Selenium, Total	0.270	J	mg/kg	1.79	0.231	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.447	0.253	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Sodium, Total	390		mg/kg	179	2.82	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Thallium, Total	0.447	J	mg/kg	1.79	0.282	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Vanadium, Total	20.5		mg/kg	0.894	0.182	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA
Zinc, Total	34.5		mg/kg	4.47	0.262	2	07/11/24 08:15	07/14/24 13:37	EPA 3050B	1,6010D	TAA



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-02

Date Collected: 07/10/24 08:18

Client ID: SB-05\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6650		mg/kg	8.06	2.18	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.03	0.306	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.98		mg/kg	0.806	0.168	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Barium, Total	52.4		mg/kg	0.806	0.140	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Beryllium, Total	1.41		mg/kg	0.403	0.027	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.806	0.079	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Calcium, Total	1640		mg/kg	8.06	2.82	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Chromium, Total	9.17		mg/kg	0.806	0.077	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Cobalt, Total	4.02		mg/kg	1.61	0.134	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Copper, Total	7.33		mg/kg	0.806	0.208	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Iron, Total	14500		mg/kg	4.03	0.728	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Lead, Total	65.9		mg/kg	4.03	0.216	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Magnesium, Total	3690		mg/kg	8.06	1.24	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Manganese, Total	408		mg/kg	0.806	0.128	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Mercury, Total	0.260		mg/kg	0.065	0.043	1	07/11/24 09:10	07/17/24 00:06	EPA 7471B	1,7471B	DJR
Nickel, Total	9.92		mg/kg	2.01	0.195	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Potassium, Total	5030		mg/kg	201	11.6	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Selenium, Total	0.236	J	mg/kg	1.61	0.208	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.403	0.228	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Sodium, Total	70.3	J	mg/kg	161	2.54	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Thallium, Total	0.651	J	mg/kg	1.61	0.254	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Vanadium, Total	7.25		mg/kg	0.806	0.164	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA
Zinc, Total	110		mg/kg	4.03	0.236	2	07/11/24 08:15	07/14/24 13:40	EPA 3050B	1,6010D	TAA



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-03

Date Collected: 07/10/24 08:40

Client ID: SB-02\_0-2

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4370		mg/kg	8.35	2.25	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.17	0.317	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Arsenic, Total	2.26		mg/kg	0.835	0.174	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Barium, Total	54.8		mg/kg	0.835	0.145	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.344	J	mg/kg	0.417	0.028	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.979		mg/kg	0.835	0.082	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Calcium, Total	14000		mg/kg	8.35	2.92	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Chromium, Total	10.0		mg/kg	0.835	0.080	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.58		mg/kg	1.67	0.139	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Copper, Total	15.6		mg/kg	0.835	0.215	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Iron, Total	9500		mg/kg	4.17	0.754	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Lead, Total	37.0		mg/kg	4.17	0.224	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Magnesium, Total	1770		mg/kg	8.35	1.28	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Manganese, Total	114		mg/kg	0.835	0.133	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.069	0.045	1	07/11/24 09:10	07/17/24 00:16	EPA 7471B	1,7471B	DJR
Nickel, Total	12.9		mg/kg	2.09	0.202	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Potassium, Total	1820		mg/kg	209	12.0	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.67	0.215	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.417	0.236	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Sodium, Total	398		mg/kg	167	2.63	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Thallium, Total	0.405	J	mg/kg	1.67	0.263	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Vanadium, Total	14.8		mg/kg	0.835	0.169	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA
Zinc, Total	109		mg/kg	4.17	0.245	2	07/11/24 08:15	07/14/24 13:44	EPA 3050B	1,6010D	TAA



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-04

Date Collected: 07/10/24 08:45

Client ID: SB-02\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	22600		mg/kg	7.84	2.12	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	3.92	0.298	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.38		mg/kg	0.784	0.163	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Barium, Total	182		mg/kg	0.784	0.136	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Beryllium, Total	1.45		mg/kg	0.392	0.026	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.784	0.077	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Calcium, Total	3200		mg/kg	7.84	2.74	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Chromium, Total	104		mg/kg	0.784	0.075	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Cobalt, Total	14.6		mg/kg	1.57	0.130	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Copper, Total	32.0		mg/kg	0.784	0.202	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Iron, Total	29200		mg/kg	3.92	0.708	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Lead, Total	3.88	J	mg/kg	3.92	0.210	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Magnesium, Total	18200		mg/kg	7.84	1.21	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Manganese, Total	848		mg/kg	0.784	0.125	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.066	0.043	1	07/11/24 09:10	07/17/24 00:20	EPA 7471B	1,7471B	DJR
Nickel, Total	78.0		mg/kg	1.96	0.190	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Potassium, Total	16700		mg/kg	196	11.3	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Selenium, Total	0.256	J	mg/kg	1.57	0.202	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.392	0.222	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Sodium, Total	768		mg/kg	157	2.47	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Thallium, Total	1.68	J	mg/kg	7.84	1.24	10	07/11/24 08:15	07/14/24 14:08	EPA 3050B	1,6010D	TAA
Vanadium, Total	61.1		mg/kg	0.784	0.159	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA
Zinc, Total	101		mg/kg	3.92	0.230	2	07/11/24 08:15	07/14/24 13:47	EPA 3050B	1,6010D	TAA



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-05

Date Collected: 07/10/24 09:35

Client ID: SB-07\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	20900		mg/kg	9.11	2.46	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.55	0.346	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Arsenic, Total	4.69		mg/kg	0.911	0.189	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Barium, Total	168		mg/kg	0.911	0.158	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Beryllium, Total	4.88		mg/kg	0.455	0.030	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.911	0.089	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Calcium, Total	6430		mg/kg	9.11	3.19	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Chromium, Total	73.8		mg/kg	0.911	0.087	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Cobalt, Total	14.8		mg/kg	1.82	0.151	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Copper, Total	1.84		mg/kg	0.911	0.235	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Iron, Total	37300		mg/kg	4.55	0.822	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Lead, Total	20.3		mg/kg	4.55	0.244	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Magnesium, Total	14300		mg/kg	9.11	1.40	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Manganese, Total	1110		mg/kg	0.911	0.145	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.076	0.049	1	07/11/24 09:10	07/17/24 00:23	EPA 7471B	1,7471B	DJR
Nickel, Total	57.8		mg/kg	2.28	0.220	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Potassium, Total	12000		mg/kg	228	13.1	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.82	0.235	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.455	0.258	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Sodium, Total	903		mg/kg	182	2.87	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Thallium, Total	1.49	J	mg/kg	9.11	1.43	10	07/11/24 08:15	07/14/24 14:17	EPA 3050B	1,6010D	TAA
Vanadium, Total	42.5		mg/kg	0.911	0.185	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA
Zinc, Total	191		mg/kg	4.55	0.267	2	07/11/24 08:15	07/14/24 14:04	EPA 3050B	1,6010D	TAA



Project Name: 515-519 W 43RD ST  
Project Number: 0211280

Lab Number: L2438736  
Report Date: 07/23/24

## 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): 01-05 Batch: WG1945611-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Calcium, Total	1.41	J	mg/kg	4.00	1.40	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Iron, Total	1.04	J	mg/kg	2.00	0.361	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL
Zinc, Total	0.624	J	mg/kg	2.00	0.117	1	07/11/24 08:15	07/11/24 10:43	1,6010D	DHL

### 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): 01-05 Batch: WG1945623-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/11/24 09:10	07/12/24 20:48	1,7471B	SMV



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

## Method Blank Analysis Batch Quality Control

### Prep Information

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211280

**Lab Number:** L2438736

**Report Date:** 07/23/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1945611-2								
Aluminum, Total	105		-		80-120	-		
Antimony, Total	96		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	96		-		80-120	-		
Copper, Total	96		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	96		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	93		-		80-120	-		
Potassium, Total	105		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211280

**Lab Number:** L2438736

**Report Date:** 07/23/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1945611-2					
Zinc, Total	94	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1945623-2					
Mercury, Total	101	-	80-120	-	

## Matrix Spike Analysis Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

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): 01-05    QC Batch ID: WG1945611-3    QC Sample: L2438737-01    Client ID: MS Sample												
Aluminum, Total	7040	200	8490	725	Q	-	-		75-125	-		20
Antimony, Total	ND	50	42.6	85		-	-		75-125	-		20
Arsenic, Total	3.88	12	12.5	72	Q	-	-		75-125	-		20
Barium, Total	45.2	200	251	103		-	-		75-125	-		20
Beryllium, Total	0.204J	5	5.13	103		-	-		75-125	-		20
Cadmium, Total	ND	5.3	4.64	88		-	-		75-125	-		20
Calcium, Total	2160	1000	3000	84		-	-		75-125	-		20
Chromium, Total	20.1	20	41.2	106		-	-		75-125	-		20
Cobalt, Total	6.53	50	50.7	88		-	-		75-125	-		20
Copper, Total	32.7	25	52.7	80		-	-		75-125	-		20
Iron, Total	14400	100	16600	2200	Q	-	-		75-125	-		20
Lead, Total	4.21J	53	51.6	97		-	-		75-125	-		20
Magnesium, Total	4130	1000	5970	184	Q	-	-		75-125	-		20
Manganese, Total	131	50	202	142	Q	-	-		75-125	-		20
Nickel, Total	20.2	50	63.2	86		-	-		75-125	-		20
Potassium, Total	1700	1000	2950	125		-	-		75-125	-		20
Selenium, Total	ND	12	10.6	88		-	-		75-125	-		20
Silver, Total	ND	5	4.60	92		-	-		75-125	-		20
Sodium, Total	398	1000	1400	100		-	-		75-125	-		20
Thallium, Total	0.500J	12	10.9	91		-	-		75-125	-		20
Vanadium, Total	29.5	50	77.0	95		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

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): 01-05 QC Batch ID: WG1945611-3 QC Sample: L2438737-01 Client ID: MS Sample									
Zinc, Total	36.6	50	84.8	96	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1945623-3 QC Sample: L2438218-03 Client ID: MS Sample									
Mercury, Total	0.117	1.4	1.51	100	-	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1945611-4 QC Sample: L2438737-01 Client ID: DUP Sample						
Chromium, Total	20.1	24.3	mg/kg	19		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1945623-4 QC Sample: L2438218-03 Client ID: DUP Sample						
Mercury, Total	0.117	0.209	mg/kg	56	Q	20

# **INORGANICS & MISCELLANEOUS**

Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-01

Date Collected: 07/10/24 08:15

Client ID: SB-05\_0-2

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

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	-	07/11/24 04:24	121,2540G	WJM



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-02

Date Collected: 07/10/24 08:18

Client ID: SB-05\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

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	96.2		%	0.100	NA	1	-	07/11/24 04:24	121,2540G	WJM



Project Name: 515-519 W 43RD ST

Project Number: 0211280

Lab Number: L2438736

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-03

Client ID: SB-02\_0-2

Sample Location: 515-519 W 43RD ST NY, NY

Date Collected: 07/10/24 08:40

Date Received: 07/10/24

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	92.7		%	0.100	NA	1	-	07/11/24 04:24	121,2540G	WJM



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

## SAMPLE RESULTS

Lab ID: L2438736-04

Date Collected: 07/10/24 08:45

Client ID: SB-02\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

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	95.7		%	0.100	NA	1	-	07/11/24 04:24	121,2540G	WJM



Project Name: 515-519 W 43RD ST

Lab Number: L2438736

Project Number: 0211280

Report Date: 07/23/24

**SAMPLE RESULTS**

Lab ID: L2438736-05

Date Collected: 07/10/24 09:35

Client ID: SB-07\_2-4

Date Received: 07/10/24

Sample Location: 515-519 W 43RD ST NY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.8		%	0.100	NA	1	-	07/11/24 04:24	121,2540G	WJM



**Lab Duplicate Analysis**  
*Batch Quality Control***Project Name:** 515-519 W 43RD ST**Project Number:** 0211280**Lab Number:** L2438736**Report Date:** 07/23/24

<b>Parameter</b>	<b>Native Sample</b>	<b>Duplicate Sample</b>	<b>Units</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1945599-1 QC Sample: L2438736-01 Client ID: SB-05_0-2						
Solids, Total	87.0	86.9	%	0		20

**Project Name:** 515-519 W 43RD ST**Lab Number:** L2438736**Project Number:** 0211280**Report Date:** 07/23/24**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(*)
L2438736-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2438736-01B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-01C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-01D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2438736-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2438736-01F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L2438736-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2438736-02B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-02C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-02D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2438736-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2438736-02F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L2438736-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2438736-03B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-03C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-03D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Serial\_No:**07232411:24  
**Lab Number:** L2438736  
**Report Date:** 07/23/24

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2438736-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L2438736-03F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L2438736-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2438736-04B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-04C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-04D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2438736-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2438736-04F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L2438736-05A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2438736-05B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-05C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	NYTCL-8260HLW(14)
L2438736-05D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2438736-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2438736-05F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L2438736-06A	Vial MeOH preserved	A	NA		2.8	Y	Absent		HOLD-8260HLW(14)
L2438736-06B	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	HOLD-8260HLW(14)
L2438736-06C	Vial water preserved	A	NA		2.8	Y	Absent	11-JUL-24 02:24	HOLD-8260HLW(14)
L2438736-06D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L2438736-06E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)
L2438736-06F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		HOLD-8270(14)
L2438736-09A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211280

Serial\_No:07232411:24

**Lab Number:** L2438736

**Report Date:** 07/23/24

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2438736-09B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2438736-09C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2438736-09D	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

## 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:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

### 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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211280

**Lab Number:** L2438736  
**Report Date:** 07/23/24

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** EPA RSK-175 Dissolved Gases

**Biological Tissue Matrix:** EPA 3050B

---

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, 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**

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

Date Rec'd  
in Lab 7/10/24

ALPHA Job #  
L2438736

<b>Client Information</b>		<b>Project Information</b>		<b>Deliverables</b>		<b>Billing Information</b>	
Client: <u>H+A of New York</u>		Project Name: <u>S15-514 W43rd St</u>		<input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<input type="checkbox"/> Same as Client Info PO #	
Address: <u>213 W 35th St</u> <u>NY, NY, 10001</u>		Project Location: <u>S15-519 W43rd St, NY, NY</u>		<input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Phone: <u>347-291-1521</u>		Project # <u>0211280</u>		Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Fax:		Turn-Around Time		Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:			
Email: <u>M Conlon @ water@alpha.com</u>							
These samples have been previously analyzed by Alpha <input type="checkbox"/>							
Other project specific requirements/comments:							
Please specify Metals or TAL.							

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Vocs	SVocs	Total Metals	Sample Filtration	Total Bottles
		Date	Time							
38736-01	S15-09-0-2	7/10/24	8:19	G	MSM	X	X	X		5
-02	S15-09-2-4	↓	8:18	↓	↓	↓	↓	↓		5
-03	S15-02-0-2	↓	8:40	↓	↓	↓	↓	↓		5
-04	S15-02-2-4	↓	8:49	↓	↓	↓	↓	↓		5
-05	S15-07-0-2-4	↓	9:35	↓	↓	↓	↓	↓		5
-06	S15-09-0-2	↓	1200	↓	↓	↓	↓	↓	Hold	5

Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type: <u>V A A</u> Preservative: <u>A/P A A</u>	Relinquished By: <u>M Ryan Miller</u> Date/Time: <u>7/10/24 1430</u> <u>Kay Vogt</u> <u>7/10/24 1600</u> <u>M SMA (AN)</u> <u>7/10/24 2255</u> Received By: <u>[Signature]</u> Date/Time: <u>7/10/24 1900</u> <u>[Signature]</u> <u>7/10/24 2000</u> <u>[Signature]</u> <u>7/10/24 2255</u>	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.)
---	--	---	--	--	--



## ANALYTICAL REPORT

Lab Number:	L2438744
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	515-519 W 43RD ST
Project Number:	0211080
Report Date:	07/16/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2438744-01	SV-2	SOIL_VAPOR	515-519 W 43RD ST, NY, NY	07/10/24 09:30	07/10/24
L2438744-02	SV-3	SOIL_VAPOR	515-519 W 43RD ST, NY, NY	07/10/24 10:03	07/10/24

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### 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:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 25, 2024. The canister certification data is provided as an addendum.

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 Jerome

Title: Technical Director/Representative

Date: 07/16/24

**AIR**

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-01  
 Client ID: SV-2  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 09:30  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/12/24 19:38  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.397	0.200	--	1.96	0.989	--		1
Chloromethane	0.399	0.200	--	0.824	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	3.83	0.200	--	8.47	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	16.3	5.00	--	30.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.25	1.00	--	14.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.842	0.200	--	2.62	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.08	0.500	--	3.19	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-01  
 Client ID: SV-2  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 09:30  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.244	0.200	--	1.19	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	10.7	0.200	--	37.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	21.4	0.200	--	68.4	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.73	0.200	--	9.40	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	9.82	0.200	--	45.9	0.934	--		1
Heptane	3.00	0.200	--	12.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.696	0.500	--	2.85	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	10.7	0.200	--	40.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.909	0.200	--	6.16	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.57	0.200	--	11.2	0.869	--		1



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-01  
 Client ID: SV-2  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 09:30  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	7.00	0.400	--	30.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.245	0.200	--	1.04	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.43	0.200	--	14.9	0.869	--		1
4-Ethyltoluene	0.284	0.200	--	1.40	0.983	--		1
1,3,5-Trimethylbenzene	0.732	0.200	--	3.60	0.983	--		1
1,2,4-Trimethylbenzene	1.25	0.200	--	6.15	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.312	0.200	--	1.64	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	123		60-140



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-02  
 Client ID: SV-3  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 10:03  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/12/24 20:10  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.491	0.200	--	2.43	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.23	1.00	--	7.67	2.38	--		1
Trichlorofluoromethane	0.315	0.200	--	1.77	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.11	0.200	--	3.46	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.543	0.500	--	1.60	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-02  
 Client ID: SV-3  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 10:03  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.311	0.200	--	1.52	0.977	--		1
Tetrahydrofuran	0.534	0.500	--	1.57	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.81	0.200	--	6.38	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.63	0.200	--	11.6	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.441	0.200	--	1.52	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.984	0.200	--	4.60	0.934	--		1
Heptane	0.533	0.200	--	2.18	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.31	0.200	--	4.94	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.89	0.200	--	12.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.404	0.200	--	1.75	0.869	--		1



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### SAMPLE RESULTS

Lab ID: L2438744-02  
 Client ID: SV-3  
 Sample Location: 515-519 W 43RD ST, NY, NY

Date Collected: 07/10/24 10:03  
 Date Received: 07/10/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	0.781	0.400	--	3.39	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.313	0.200	--	1.36	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.484	0.200	--	2.38	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.232	0.200	--	1.22	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	122		60-140



Project Name: 515-519 W 43RD ST

Lab Number: L2438744

Project Number: 0211080

Report Date: 07/16/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/12/24 13:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1946353-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 515-519 W 43RD ST

Lab Number: L2438744

Project Number: 0211080

Report Date: 07/16/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/12/24 13:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1946353-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 515-519 W 43RD ST

Lab Number: L2438744

Project Number: 0211080

Report Date: 07/16/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/12/24 13:30

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1946353-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438744

Project Number: 0211080

Report Date: 07/16/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1946353-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	106		-		70-130	-		
Freon-114	120		-		70-130	-		
Vinyl chloride	107		-		70-130	-		
1,3-Butadiene	125		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	104		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	81		-		40-160	-		
Trichlorofluoromethane	74		-		70-130	-		
Isopropanol	76		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	104		-		70-130	-		
Methylene chloride	111		-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	118		-		70-130	-		
Freon-113	109		-		70-130	-		
trans-1,2-Dichloroethene	103		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	104		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Lab Number: L2438744

Project Number: 0211080

Report Date: 07/16/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1946353-3								
Ethyl Acetate	122		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
1,2-Dichloroethane	71		-		70-130	-		
n-Hexane	118		-		70-130	-		
1,1,1-Trichloroethane	76		-		70-130	-		
Benzene	110		-		70-130	-		
Carbon tetrachloride	82		-		70-130	-		
Cyclohexane	118		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	110		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	120		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	104		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	114		-		70-130	-		
1,2-Dibromoethane	120		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST

Project Number: 0211080

Lab Number: L2438744

Report Date: 07/16/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1946353-3								
Tetrachloroethene	115		-		70-130	-		
Chlorobenzene	123		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	122		-		70-130	-		
1,1,2,2-Tetrachloroethane	130		-		70-130	-		
o-Xylene	110		-		70-130	-		
4-Ethyltoluene	117		-		70-130	-		
1,3,5-Trimethylbenzene	121		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	126		-		70-130	-		
1,3-Dichlorobenzene	128		-		70-130	-		
1,4-Dichlorobenzene	124		-		70-130	-		
1,2-Dichlorobenzene	122		-		70-130	-		
1,2,4-Trichlorobenzene	130		-		70-130	-		
Naphthalene	119		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Project Name: 515-519 W 43RD ST

Project Number: 0211080

Serial\_No:07162416:37  
Lab Number: L2438744

Report Date: 07/16/24

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2438744-01	SV-2	02160	Flow 1	06/25/24	473970		-	-	-	Pass	40.5	35.8	12
L2438744-01	SV-2	2461	6.0L Can	06/25/24	473970	L2433186-08	Pass	-29.0	-5.4	-	-	-	-
L2438744-02	SV-3	0173	Flow 2	06/25/24	473970		-	-	-	Pass	40.1	35.3	13
L2438744-02	SV-3	2283	6.0L Can	06/25/24	473970	L2433186-08	Pass	-28.8	-6.2	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 06/17/24 19:12  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 06/17/24 19:12  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2433186  
**Report Date:** 07/16/24

### Air Canister Certification Results

Lab ID: L2433186-08  
 Client ID: CAN 943 SHELF 63  
 Sample Location:

Date Collected: 06/13/24 12:00  
 Date Received: 06/13/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140



**Project Name:** 515-519 W 43RD ST

**Project Number:** 0211080

Serial\_No:07162416:37

**Lab Number:** L2438744

**Report Date:** 07/16/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information**

**Container ID**    **Container Type**

<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
NA	NA			Y	Absent		TO15-LL(30)
NA	NA			Y	Absent		TO15-LL(30)

L2438744-01A    Canister - 2.7L (Batch Certified)

L2438744-02A    Canister - 2.7L (Batch Certified)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

## 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: Data Usability Report



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

### 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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 515-519 W 43RD ST  
**Project Number:** 0211080

**Lab Number:** L2438744  
**Report Date:** 07/16/24

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** EPA RSK-175 Dissolved Gases

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, 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.





## ANALYTICAL REPORT

Lab Number:	L2459445
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Nicole Mooney
Phone:	(646) 568-9340
Project Name:	514-518 W 44TH ST
Project Number:	0211280
Report Date:	10/18/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

---

320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2459445-01	SV-06	SOIL_VAPOR	514-518 W 44TH ST, NY, NY	10/11/24 12:36	10/11/24
L2459445-02	SV-05	SOIL_VAPOR	514-518 W 44TH ST, NY, NY	10/11/24 12:27	10/11/24

**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 11, 2024. The canister certification data is provided as an addendum.

L2459445-01D and -02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2459445-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2459445-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 10/18/24

**AIR**

**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### SAMPLE RESULTS

Lab ID: L2459445-01 D  
 Client ID: SV-06  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:36  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/17/24 02:47  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.25	--	ND	6.18	--		6.25
Chloromethane	ND	1.25	--	ND	2.58	--		6.25
Freon-114	ND	1.25	--	ND	8.74	--		6.25
Vinyl chloride	ND	1.25	--	ND	3.20	--		6.25
1,3-Butadiene	ND	1.25	--	ND	2.77	--		6.25
Bromomethane	ND	1.25	--	ND	4.85	--		6.25
Chloroethane	ND	1.25	--	ND	3.30	--		6.25
Ethanol	276	31.2	--	520	58.8	--		6.25
Vinyl bromide	ND	1.25	--	ND	5.47	--		6.25
Acetone	343	6.25	--	815	14.8	--		6.25
Trichlorofluoromethane	ND	1.25	--	ND	7.02	--		6.25
Isopropanol	22.2	3.12	--	54.6	7.67	--		6.25
1,1-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25
Tertiary butyl Alcohol	3.63	3.12	--	11.0	9.46	--		6.25
Methylene chloride	ND	3.12	--	ND	10.8	--		6.25
3-Chloropropene	ND	1.25	--	ND	3.91	--		6.25
Carbon disulfide	7.19	1.25	--	22.4	3.89	--		6.25
Freon-113	ND	1.25	--	ND	9.58	--		6.25
trans-1,2-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25
1,1-Dichloroethane	ND	1.25	--	ND	5.06	--		6.25
Methyl tert butyl ether	ND	1.25	--	ND	4.51	--		6.25
2-Butanone	14.0	3.12	--	41.3	9.20	--		6.25
cis-1,2-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### SAMPLE RESULTS

Lab ID: L2459445-01 D  
 Client ID: SV-06  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:36  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	3.12	--	ND	11.2	--		6.25
Chloroform	ND	1.25	--	ND	6.10	--		6.25
Tetrahydrofuran	3.61	3.12	--	10.6	9.20	--		6.25
1,2-Dichloroethane	ND	1.25	--	ND	5.06	--		6.25
n-Hexane	11.0	1.25	--	38.8	4.41	--		6.25
1,1,1-Trichloroethane	ND	1.25	--	ND	6.82	--		6.25
Benzene	9.78	1.25	--	31.2	3.99	--		6.25
Carbon tetrachloride	ND	1.25	--	ND	7.86	--		6.25
Cyclohexane	5.26	1.25	--	18.1	4.30	--		6.25
1,2-Dichloropropane	ND	1.25	--	ND	5.78	--		6.25
Bromodichloromethane	ND	1.25	--	ND	8.37	--		6.25
1,4-Dioxane	ND	1.25	--	ND	4.50	--		6.25
Trichloroethene	ND	1.25	--	ND	6.72	--		6.25
2,2,4-Trimethylpentane	5.19	1.25	--	24.2	5.84	--		6.25
Heptane	13.7	1.25	--	56.1	5.12	--		6.25
cis-1,3-Dichloropropene	ND	1.25	--	ND	5.67	--		6.25
4-Methyl-2-pentanone	3.39	3.12	--	13.9	12.8	--		6.25
trans-1,3-Dichloropropene	ND	1.25	--	ND	5.67	--		6.25
1,1,2-Trichloroethane	ND	1.25	--	ND	6.82	--		6.25
Toluene	152	1.25	--	573	4.71	--		6.25
2-Hexanone	ND	1.25	--	ND	5.12	--		6.25
Dibromochloromethane	ND	1.25	--	ND	10.6	--		6.25
1,2-Dibromoethane	ND	1.25	--	ND	9.61	--		6.25
Tetrachloroethene	ND	1.25	--	ND	8.48	--		6.25
Chlorobenzene	ND	1.25	--	ND	5.76	--		6.25
Ethylbenzene	66.9	1.25	--	291	5.43	--		6.25



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### SAMPLE RESULTS

Lab ID: L2459445-01 D  
 Client ID: SV-06  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:36  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	228	2.50	--	990	10.9	--		6.25
Bromoform	ND	1.25	--	ND	12.9	--		6.25
Styrene	3.95	1.25	--	16.8	5.32	--		6.25
1,1,2,2-Tetrachloroethane	ND	1.25	--	ND	8.58	--		6.25
o-Xylene	85.6	1.25	--	372	5.43	--		6.25
4-Ethyltoluene	3.48	1.25	--	17.1	6.15	--		6.25
1,3,5-Trimethylbenzene	3.89	1.25	--	19.1	6.15	--		6.25
1,2,4-Trimethylbenzene	15.0	1.25	--	73.7	6.15	--		6.25
Benzyl chloride	ND	1.25	--	ND	6.47	--		6.25
1,3-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,4-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,2-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,2,4-Trichlorobenzene	ND	1.25	--	ND	9.28	--		6.25
Naphthalene	ND	1.25	--	ND	6.55	--		6.25
Hexachlorobutadiene	ND	1.25	--	ND	13.3	--		6.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	109		60-140



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### SAMPLE RESULTS

Lab ID: L2459445-02 D  
 Client ID: SV-05  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:27  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/17/24 03:22  
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.424	0.400	--	2.10	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	0.588	0.400	--	1.30	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	244	10.0	--	460	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	64.1	2.00	--	152	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	4.93	1.00	--	12.1	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	2.50	1.00	--	7.58	3.03	--		2
Methylene chloride	1.42	1.00	--	4.93	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	6.60	0.400	--	20.6	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	2.59	1.00	--	7.64	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



**Project Name:** 514-518 W 44TH ST**Lab Number:** L2459445**Project Number:** 0211280**Report Date:** 10/18/24**SAMPLE RESULTS**

Lab ID: L2459445-02 D  
 Client ID: SV-05  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:27  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	5.88	0.400	--	28.7	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	13.9	0.400	--	49.0	1.41	--		2
1,1,1-Trichloroethane	2.12	0.400	--	11.6	2.18	--		2
Benzene	6.12	0.400	--	19.6	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	3.71	0.400	--	12.8	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	1.59	0.400	--	5.73	1.44	--		2
Trichloroethene	0.506	0.400	--	2.72	2.15	--		2
2,2,4-Trimethylpentane	3.40	0.400	--	15.9	1.87	--		2
Heptane	13.0	0.400	--	53.3	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	60.4	0.400	--	228	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	19.9	0.400	--	135	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	38.1	0.400	--	165	1.74	--		2



**Project Name:** 514-518 W 44TH ST**Lab Number:** L2459445**Project Number:** 0211280**Report Date:** 10/18/24**SAMPLE RESULTS**

Lab ID: L2459445-02 D  
 Client ID: SV-05  
 Sample Location: 514-518 W 44TH ST, NY, NY

Date Collected: 10/11/24 12:27  
 Date Received: 10/11/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	118	0.800	--	513	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.420	0.400	--	1.79	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	48.8	0.400	--	212	1.74	--		2
4-Ethyltoluene	4.01	0.400	--	19.7	1.97	--		2
1,3,5-Trimethylbenzene	4.68	0.400	--	23.0	1.97	--		2
1,2,4-Trimethylbenzene	18.4	0.400	--	90.5	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Naphthalene	1.20	0.400	--	6.29	2.10	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	111		60-140



Project Name: 514-518 W 44TH ST

Lab Number: L2459445

Project Number: 0211280

Report Date: 10/18/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/16/24 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1985226-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 514-518 W 44TH ST

Lab Number: L2459445

Project Number: 0211280

Report Date: 10/18/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/16/24 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1985226-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 514-518 W 44TH ST

Lab Number: L2459445

Project Number: 0211280

Report Date: 10/18/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/16/24 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1985226-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 514-518 W 44TH ST

Project Number: 0211280

Lab Number: L2459445

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1985226-3								
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	105		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	115		-		40-160	-		
Trichlorofluoromethane	93		-		70-130	-		
Isopropanol	83		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	97		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	99		-		70-130	-		
trans-1,2-Dichloroethene	99		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	103		-		70-130	-		
2-Butanone	109		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 514-518 W 44TH ST

Project Number: 0211280

Lab Number: L2459445

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1985226-3								
Ethyl Acetate	105		-		70-130	-		
Chloroform	89		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	89		-		70-130	-		
Benzene	86		-		70-130	-		
Carbon tetrachloride	91		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	93		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	89		-		70-130	-		
2,2,4-Trimethylpentane	96		-		70-130	-		
Heptane	103		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	109		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	94		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 514-518 W 44TH ST

Project Number: 0211280

Lab Number: L2459445

Report Date: 10/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1985226-3								
Tetrachloroethene	87		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	90		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	90		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	84		-		70-130	-		
1,3-Dichlorobenzene	93		-		70-130	-		
1,4-Dichlorobenzene	91		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2,4-Trichlorobenzene	95		-		70-130	-		
Naphthalene	88		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Project Name: 514-518 W 44TH ST

Project Number: 0211280

Serial\_No:10182416:24  
Lab Number: L2459445

Report Date: 10/18/24

### Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2459445-01	SV-06	0633	Flow 2	10/11/24	488530		-	-	-	Pass	18	16.2	11
L2459445-01	SV-06	3009	2.7L Can	10/11/24	488530	L2456803-02	Pass	-29.4	-5.3	-	-	-	-
L2459445-02	SV-05	01774	Flow 2	10/11/24	488530		-	-	-	Pass	18	19.7	9
L2459445-02	SV-05	3206	2.7L Can	10/11/24	488530	L2456803-02	Pass	-29.6	-4.8	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 10/02/24 19:21  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 10/02/24 19:21  
 Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2456803  
**Report Date:** 10/18/24

### Air Canister Certification Results

Lab ID: L2456803-02  
 Client ID: CAN 555 SHELF 78  
 Sample Location:

Date Collected: 10/01/24 16:00  
 Date Received: 10/02/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

**Project Name:** 514-518 W 44TH ST

**Project Number:** 0211280

Serial\_No:10182416:24

**Lab Number:** L2459445

**Report Date:** 10/18/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information**

**Container ID**    **Container Type**

<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
NA	NA			Y	Absent		TO15-LL(30)
NA	NA			Y	Absent		TO15-LL(30)

L2459445-01A    Canister - 2.7L (Batch Certified)

L2459445-02A    Canister - 2.7L (Batch Certified)

**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

## 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: Data Usability Report



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

### 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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 514-518 W 44TH ST  
**Project Number:** 0211280

**Lab Number:** L2459445  
**Report Date:** 10/18/24

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** EPA RSK-175 Dissolved Gases

**Biological Tissue Matrix:** EPA 3050B

---

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, 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.

# AIR ANALYSIS

PAGE 1 OF 1



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

### Client Information

Client: H&A of New York Eng.  
 Address: 213 W 35th St,  
New York, NY

Phone:

Fax:

Email: NMooney@haleyaldrich.com

These samples have been previously analyzed by Alpha

### Project Information

Project Name: 514-518 W 44th St  
 Project Location: 514-518 W 44th St, NY, NY  
 Project #: 0211280  
 Project Manager: Nicole Mooney  
 ALPHA Quote #:

### Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 10/12/24

### Report Information - Data Deliverables

FAX  
 ADEx  
 Criteria Checker: \_\_\_\_\_  
(Default based on Regulatory Criteria Indicated)  
 Other Formats: \_\_\_\_\_  
 EMAIL (standard pdf report)  
 Additional Deliverables: \_\_\_\_\_  
 Report to: (if different than Project Manager)

ALPHA Job #: L2459445

### Billing Information

Same as Client info PO #:

### Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:  
 Project-Specific Target Compound List:

### All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS				Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	TO-15						TO-15 SIM	APH <small>Subtract Non-petroleum HCs</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	
59445-01	SV-06	10/11/24	10:40	12:36	-30.23	-6.07	SV	O.H.	2.7L	3009	0633	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
02	SV-05	10/11/24	10:47	12:27	-30.40	-5.69	SV	O.H.	2.7L	3206	01774	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

### \*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
<u>Anthony Green</u>	<u>10/11/24 14:25</u>	<u>Anthony Green</u>	<u>10/11/24</u>
<u>Anthony Green</u>	<u>10/11/25 20:00</u>	<u>Anthony Green</u>	<u>OCT 11 2024 2007</u>
<u>Anthony Green</u>	<u>10/12/24 0000</u>	<u>Anthony Green</u>	<u>10/12/24 0000</u>
<u>Anthony Green</u>	<u>10/12/24 0500</u>	<u>Anthony Green</u>	<u>10/12/24 0500</u>



## ANALYTICAL REPORT

Lab Number:	L2460115
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Nicole Mooney
Phone:	(646) 568-9340
Project Name:	515-519 W 43RD ST REDEVELOPMENT
Project Number:	0211280-000-001-10
Report Date:	10/24/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

---

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



**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2460115-01	SB-09_0-2	SOIL	514-518 W 44TH ST	10/16/24 12:00	10/16/24
L2460115-02	SB-09_3-5	SOIL	514-518 W 44TH ST	10/16/24 12:05	10/16/24
L2460115-03	SB-10_0-2	SOIL	514-518 W 44TH ST	10/16/24 11:30	10/16/24
L2460115-04	SB-10_5-7	SOIL	514-518 W 44TH ST	10/16/24 11:35	10/16/24
L2460115-05	SB-11_0-2	SOIL	514-518 W 44TH ST	10/16/24 11:00	10/16/24
L2460115-06	SB-11_3-5	SOIL	514-518 W 44TH ST	10/16/24 11:10	10/16/24
L2460115-07	SB-12_0-2	SOIL	514-518 W 44TH ST	10/16/24 10:15	10/16/24
L2460115-08	SB-12_8-10	SOIL	514-518 W 44TH ST	10/16/24 10:25	10/16/24
L2460115-09	SB-13_0-2	SOIL	514-518 W 44TH ST	10/16/24 09:35	10/16/24
L2460115-10	SB-13_5-7	SOIL	514-518 W 44TH ST	10/16/24 09:45	10/16/24
L2460115-11	SB-14_0-2	SOIL	514-518 W 44TH ST	10/16/24 09:10	10/16/24
L2460115-12	SB-14_6-8	SOIL	514-518 W 44TH ST	10/16/24 09:15	10/16/24

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### Case Narrative (continued)

#### Report Submission

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

#### Volatile Organics

L2460115-10: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2460115-11: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (30%), possibly due to the matrix effect caused by the high pH of the sample (>10).

#### Semivolatile Organics

L2460115-07: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (2%) and 2,4,6-tribromophenol (1%); however, re-extraction achieved similar results: 2-fluorophenol (13%) and 2,4,6-tribromophenol (3%). The results of both extractions are reported.

L2460115-09D: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

L2460115-09D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2460115-11: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (12%) and 2,4,6-tribromophenol (2%); however, re-extraction achieved similar results: 2,4,6-tribromophenol (4%). The results of both extractions are reported.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Case Narrative (continued)**

Total Metals

L2460115-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/24/24

# ORGANICS

# VOLATILES

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01  
 Client ID: SB-09\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 21:54  
 Analyst: AJK  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01

Date Collected: 10/16/24 12:00

Client ID: SB-09\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	9.3	J	ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01

Date Collected: 10/16/24 12:00

Client ID: SB-09\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	143	Q	70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02  
 Client ID: SB-09\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:05  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 22:19  
 Analyst: AJK  
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.8	4.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	2.0	0.45	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.24	1
Dibromochloromethane	ND		ug/kg	2.0	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.52	1
Tetrachloroethene	ND		ug/kg	0.98	0.38	1
Chlorobenzene	ND		ug/kg	0.98	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.8	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.50	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.33	1
Bromodichloromethane	ND		ug/kg	0.98	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.54	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.98	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.98	0.31	1
Bromoform	ND		ug/kg	7.8	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.32	1
Benzene	ND		ug/kg	0.98	0.32	1
Toluene	ND		ug/kg	2.0	1.1	1
Ethylbenzene	ND		ug/kg	2.0	0.28	1
Chloromethane	ND		ug/kg	7.8	1.8	1
Bromomethane	ND		ug/kg	3.9	1.1	1
Vinyl chloride	ND		ug/kg	2.0	0.66	1
Chloroethane	ND		ug/kg	3.9	0.89	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.47	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.27	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02  
 Client ID: SB-09\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:05  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.98	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.34	1
Methyl tert butyl ether	ND		ug/kg	3.9	0.39	1
p/m-Xylene	ND		ug/kg	3.9	1.1	1
o-Xylene	ND		ug/kg	2.0	0.57	1
Xylenes, Total	ND		ug/kg	2.0	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.27	1
Dibromomethane	ND		ug/kg	3.9	0.47	1
Styrene	ND		ug/kg	2.0	0.38	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	13	J	ug/kg	20	9.4	1
Carbon disulfide	ND		ug/kg	20	8.9	1
2-Butanone	ND		ug/kg	20	4.4	1
Vinyl acetate	ND		ug/kg	20	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	3.9	0.25	1
2-Hexanone	ND		ug/kg	20	2.3	1
Bromochloromethane	ND		ug/kg	3.9	0.40	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.40	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.55	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.26	1
Bromobenzene	ND		ug/kg	3.9	0.28	1
n-Butylbenzene	ND		ug/kg	2.0	0.33	1
sec-Butylbenzene	ND		ug/kg	2.0	0.29	1
tert-Butylbenzene	ND		ug/kg	3.9	0.23	1
o-Chlorotoluene	ND		ug/kg	3.9	0.37	1
p-Chlorotoluene	ND		ug/kg	3.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	2.0	1
Hexachlorobutadiene	ND		ug/kg	7.8	0.33	1
Isopropylbenzene	ND		ug/kg	2.0	0.21	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.21	1
Naphthalene	ND		ug/kg	7.8	1.3	1
Acrylonitrile	ND		ug/kg	7.8	2.2	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02

Date Collected: 10/16/24 12:05

Client ID: SB-09\_3-5

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.0	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.63	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.53	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.38	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.66	1
1,4-Dioxane	ND		ug/kg	160	69.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.35	1
p-Ethyltoluene	ND		ug/kg	3.9	0.75	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.37	1
Ethyl ether	ND		ug/kg	3.9	0.67	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.8	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03  
 Client ID: SB-10\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:30  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 22:44  
 Analyst: AJK  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	0.93		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	3.0		ug/kg	1.4	0.74	1
Ethylbenzene	3.3		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03  
 Client ID: SB-10\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:30  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	12		ug/kg	2.7	0.76	1
o-Xylene	6.5		ug/kg	1.4	0.39	1
Xylenes, Total	19		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	24		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	0.23	J	ug/kg	1.4	0.23	1
sec-Butylbenzene	0.47	J	ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	1.4		ug/kg	1.4	0.15	1
p-Isopropyltoluene	0.51	J	ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-03  
**Client ID:** SB-10\_0-2  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 11:30  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.7		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	3.0		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	7.7		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	1.4	J	ug/kg	2.7	0.24	1
p-Ethyltoluene	8.2		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04  
 Client ID: SB-10\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 23:09  
 Analyst: AJK  
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04  
 Client ID: SB-10\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	18		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04

Date Collected: 10/16/24 11:35

Client ID: SB-10\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	0.54	J	ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	0.35	J	ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 23:34  
 Analyst: AJK  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 23:59  
 Analyst: AJK  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.12	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	137	Q	70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/19/24 00:24  
 Analyst: AJK  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	10	4.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.30	1
Chloroform	ND		ug/kg	3.2	0.29	1
Carbon tetrachloride	ND		ug/kg	2.1	0.48	1
1,2-Dichloropropane	ND		ug/kg	2.1	0.26	1
Dibromochloromethane	ND		ug/kg	2.1	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.56	1
Tetrachloroethene	ND		ug/kg	1.0	0.41	1
Chlorobenzene	ND		ug/kg	1.0	0.27	1
Trichlorofluoromethane	ND		ug/kg	8.4	1.5	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.54	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.57	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.33	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.33	1
1,1-Dichloropropene	ND		ug/kg	1.0	0.33	1
Bromoform	ND		ug/kg	8.4	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.35	1
Benzene	ND		ug/kg	1.0	0.35	1
Toluene	ND		ug/kg	2.1	1.1	1
Ethylbenzene	ND		ug/kg	2.1	0.30	1
Chloromethane	ND		ug/kg	8.4	2.0	1
Bromomethane	ND		ug/kg	4.2	1.2	1
Vinyl chloride	ND		ug/kg	2.1	0.70	1
Chloroethane	ND		ug/kg	4.2	0.95	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	0.29	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	1.0	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.36	1
Methyl tert butyl ether	ND		ug/kg	4.2	0.42	1
p/m-Xylene	ND		ug/kg	4.2	1.2	1
o-Xylene	ND		ug/kg	2.1	0.61	1
Xylenes, Total	ND		ug/kg	2.1	0.61	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.37	1
1,2-Dichloroethene, Total	ND		ug/kg	2.1	0.29	1
Dibromomethane	ND		ug/kg	4.2	0.50	1
Styrene	ND		ug/kg	2.1	0.41	1
Dichlorodifluoromethane	ND		ug/kg	21	1.9	1
Acetone	ND		ug/kg	21	10.	1
Carbon disulfide	ND		ug/kg	21	9.6	1
2-Butanone	ND		ug/kg	21	4.7	1
Vinyl acetate	ND		ug/kg	21	4.5	1
4-Methyl-2-pentanone	ND		ug/kg	21	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	0.27	1
2-Hexanone	ND		ug/kg	21	2.5	1
Bromochloromethane	ND		ug/kg	4.2	0.43	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.42	1
1,2-Dibromoethane	ND		ug/kg	2.1	0.59	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.35	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.28	1
Bromobenzene	ND		ug/kg	4.2	0.30	1
n-Butylbenzene	ND		ug/kg	2.1	0.35	1
sec-Butylbenzene	ND		ug/kg	2.1	0.31	1
tert-Butylbenzene	ND		ug/kg	4.2	0.25	1
o-Chlorotoluene	ND		ug/kg	4.2	0.40	1
p-Chlorotoluene	ND		ug/kg	4.2	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	2.1	1
Hexachlorobutadiene	ND		ug/kg	8.4	0.36	1
Isopropylbenzene	ND		ug/kg	2.1	0.23	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.23	1
Naphthalene	ND		ug/kg	8.4	1.4	1
Acrylonitrile	ND		ug/kg	8.4	2.4	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.1	0.36	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.68	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.57	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.40	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.70	1
1,4-Dioxane	ND		ug/kg	170	74.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.37	1
p-Ethyltoluene	ND		ug/kg	4.2	0.81	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.40	1
Ethyl ether	ND		ug/kg	4.2	0.72	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	3.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/19/24 00:49  
 Analyst: AJK  
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09  
 Client ID: SB-13\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/19/24 01:14  
 Analyst: AJK  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	5.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.32	1
Chloroform	ND		ug/kg	3.3	0.30	1
Carbon tetrachloride	ND		ug/kg	2.2	0.50	1
1,2-Dichloropropane	ND		ug/kg	2.2	0.27	1
Dibromochloromethane	ND		ug/kg	2.2	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.58	1
Tetrachloroethene	ND		ug/kg	1.1	0.43	1
Chlorobenzene	ND		ug/kg	1.1	0.28	1
Trichlorofluoromethane	ND		ug/kg	8.7	1.5	1
1,2-Dichloroethane	ND		ug/kg	2.2	0.56	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.36	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.60	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.34	1
1,1-Dichloropropene	ND		ug/kg	1.1	0.35	1
Bromoform	ND		ug/kg	8.7	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Benzene	ND		ug/kg	1.1	0.36	1
Toluene	ND		ug/kg	2.2	1.2	1
Ethylbenzene	ND		ug/kg	2.2	0.31	1
Chloromethane	ND		ug/kg	8.7	2.0	1
Bromomethane	ND		ug/kg	4.4	1.3	1
Vinyl chloride	ND		ug/kg	2.2	0.73	1
Chloroethane	ND		ug/kg	4.4	0.99	1
1,1-Dichloroethene	ND		ug/kg	2.2	0.52	1
trans-1,2-Dichloroethene	ND		ug/kg	3.3	0.30	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09  
 Client ID: SB-13\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	1.1	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.31	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.32	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.37	1
Methyl tert butyl ether	ND		ug/kg	4.4	0.44	1
p/m-Xylene	ND		ug/kg	4.4	1.2	1
o-Xylene	ND		ug/kg	2.2	0.64	1
Xylenes, Total	ND		ug/kg	2.2	0.64	1
cis-1,2-Dichloroethene	ND		ug/kg	2.2	0.38	1
1,2-Dichloroethene, Total	ND		ug/kg	2.2	0.30	1
Dibromomethane	ND		ug/kg	4.4	0.52	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	22	2.0	1
Acetone	ND		ug/kg	22	10.	1
Carbon disulfide	ND		ug/kg	22	9.9	1
2-Butanone	ND		ug/kg	22	4.8	1
Vinyl acetate	ND		ug/kg	22	4.7	1
4-Methyl-2-pentanone	ND		ug/kg	22	2.8	1
1,2,3-Trichloropropane	ND		ug/kg	4.4	0.28	1
2-Hexanone	ND		ug/kg	22	2.6	1
Bromochloromethane	ND		ug/kg	4.4	0.45	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.44	1
1,2-Dibromoethane	ND		ug/kg	2.2	0.61	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.36	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.29	1
Bromobenzene	ND		ug/kg	4.4	0.32	1
n-Butylbenzene	ND		ug/kg	2.2	0.36	1
sec-Butylbenzene	ND		ug/kg	2.2	0.32	1
tert-Butylbenzene	ND		ug/kg	4.4	0.26	1
o-Chlorotoluene	ND		ug/kg	4.4	0.42	1
p-Chlorotoluene	ND		ug/kg	4.4	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	2.2	1
Hexachlorobutadiene	ND		ug/kg	8.7	0.37	1
Isopropylbenzene	ND		ug/kg	2.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	2.2	0.24	1
Naphthalene	ND		ug/kg	8.7	1.4	1
Acrylonitrile	ND		ug/kg	8.7	2.5	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09  
 Client ID: SB-13\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.2	0.37	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.70	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.59	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.42	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.73	1
1,4-Dioxane	ND		ug/kg	170	77.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.39	1
p-Ethyltoluene	ND		ug/kg	4.4	0.84	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.42	1
Ethyl ether	ND		ug/kg	4.4	0.74	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	3.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10  
 Client ID: SB-13\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:45  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/19/24 01:39  
 Analyst: AJK  
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	600	280	1
1,1-Dichloroethane	ND		ug/kg	120	18.	1
Chloroform	130	J	ug/kg	180	17.	1
Carbon tetrachloride	ND		ug/kg	120	28.	1
1,2-Dichloropropane	ND		ug/kg	120	15.	1
Dibromochloromethane	ND		ug/kg	120	17.	1
1,1,2-Trichloroethane	ND		ug/kg	120	32.	1
Tetrachloroethene	49	J	ug/kg	60	24.	1
Chlorobenzene	ND		ug/kg	60	15.	1
Trichlorofluoromethane	ND		ug/kg	480	84.	1
1,2-Dichloroethane	ND		ug/kg	120	31.	1
1,1,1-Trichloroethane	ND		ug/kg	60	20.	1
Bromodichloromethane	ND		ug/kg	60	13.	1
trans-1,3-Dichloropropene	ND		ug/kg	120	33.	1
cis-1,3-Dichloropropene	ND		ug/kg	60	19.	1
1,3-Dichloropropene, Total	ND		ug/kg	60	19.	1
1,1-Dichloropropene	ND		ug/kg	60	19.	1
Bromoform	ND		ug/kg	480	30.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	60	20.	1
Benzene	ND		ug/kg	60	20.	1
Toluene	ND		ug/kg	120	66.	1
Ethylbenzene	38	J	ug/kg	120	17.	1
Chloromethane	ND		ug/kg	480	110	1
Bromomethane	ND		ug/kg	240	70.	1
Vinyl chloride	ND		ug/kg	120	40.	1
Chloroethane	ND		ug/kg	240	55.	1
1,1-Dichloroethene	ND		ug/kg	120	29.	1
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10  
 Client ID: SB-13\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:45  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 High - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	60	16.	1
1,2-Dichlorobenzene	ND		ug/kg	240	17.	1
1,3-Dichlorobenzene	ND		ug/kg	240	18.	1
1,4-Dichlorobenzene	ND		ug/kg	240	21.	1
Methyl tert butyl ether	ND		ug/kg	240	24.	1
p/m-Xylene	76	J	ug/kg	240	68.	1
o-Xylene	65	J	ug/kg	120	35.	1
Xylenes, Total	140	J	ug/kg	120	35.	1
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	1
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	1
Dibromomethane	ND		ug/kg	240	29.	1
Styrene	ND		ug/kg	120	24.	1
Dichlorodifluoromethane	ND		ug/kg	1200	110	1
Acetone	ND		ug/kg	1200	580	1
Carbon disulfide	ND		ug/kg	1200	550	1
2-Butanone	ND		ug/kg	1200	270	1
Vinyl acetate	ND		ug/kg	1200	260	1
4-Methyl-2-pentanone	ND		ug/kg	1200	150	1
1,2,3-Trichloropropane	ND		ug/kg	240	15.	1
2-Hexanone	ND		ug/kg	1200	140	1
Bromochloromethane	ND		ug/kg	240	25.	1
2,2-Dichloropropane	ND		ug/kg	240	24.	1
1,2-Dibromoethane	ND		ug/kg	120	34.	1
1,3-Dichloropropane	ND		ug/kg	240	20.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	60	16.	1
Bromobenzene	ND		ug/kg	240	18.	1
n-Butylbenzene	22	J	ug/kg	120	20.	1
sec-Butylbenzene	36	J	ug/kg	120	18.	1
tert-Butylbenzene	ND		ug/kg	240	14.	1
o-Chlorotoluene	ND		ug/kg	240	23.	1
p-Chlorotoluene	ND		ug/kg	240	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	360	120	1
Hexachlorobutadiene	ND		ug/kg	480	20.	1
Isopropylbenzene	26	J	ug/kg	120	13.	1
p-Isopropyltoluene	30	J	ug/kg	120	13.	1
Naphthalene	3800		ug/kg	480	79.	1
Acrylonitrile	ND		ug/kg	480	140	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10

Date Collected: 10/16/24 09:45

Client ID: SB-13\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	34	J	ug/kg	120	21.	1
1,2,3-Trichlorobenzene	ND		ug/kg	240	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	33.	1
1,3,5-Trimethylbenzene	140	J	ug/kg	240	23.	1
1,2,4-Trimethylbenzene	330		ug/kg	240	40.	1
1,4-Dioxane	ND		ug/kg	9700	4200	1
p-Diethylbenzene	180	J	ug/kg	240	21.	1
p-Ethyltoluene	120	J	ug/kg	240	46.	1
1,2,4,5-Tetramethylbenzene	53	J	ug/kg	240	23.	1
Ethyl ether	ND		ug/kg	240	41.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	600	170	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10  
 Client ID: SB-13\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:45  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/21/24 18:36  
 Analyst: JIC  
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	12	5.3	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.33	1
Chloroform	0.33	J	ug/kg	3.4	0.32	1
Carbon tetrachloride	ND		ug/kg	2.3	0.53	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.29	1
Dibromochloromethane	ND		ug/kg	2.3	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.61	1
Tetrachloroethene	0.51	J	ug/kg	1.2	0.45	1
Chlorobenzene	ND		ug/kg	1.2	0.29	1
Trichlorofluoromethane	ND		ug/kg	9.2	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.59	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.38	1
Bromodichloromethane	ND		ug/kg	1.2	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.63	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.36	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.36	1
Bromoform	ND		ug/kg	9.2	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Benzene	ND		ug/kg	1.2	0.38	1
Toluene	ND		ug/kg	2.3	1.2	1
Ethylbenzene	ND		ug/kg	2.3	0.32	1
Chloromethane	ND		ug/kg	9.2	2.1	1
Bromomethane	ND		ug/kg	4.6	1.3	1
Vinyl chloride	ND		ug/kg	2.3	0.77	1
Chloroethane	ND		ug/kg	4.6	1.0	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.55	1
trans-1,2-Dichloroethene	ND		ug/kg	3.4	0.32	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10  
 Client ID: SB-13\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:45  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	1.2	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.33	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.34	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.39	1
Methyl tert butyl ether	ND		ug/kg	4.6	0.46	1
p/m-Xylene	ND		ug/kg	4.6	1.3	1
o-Xylene	ND		ug/kg	2.3	0.67	1
Xylenes, Total	ND		ug/kg	2.3	0.67	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.40	1
1,2-Dichloroethene, Total	ND		ug/kg	2.3	0.32	1
Dibromomethane	ND		ug/kg	4.6	0.55	1
Styrene	ND		ug/kg	2.3	0.45	1
Dichlorodifluoromethane	ND		ug/kg	23	2.1	1
Acetone	ND		ug/kg	23	11.	1
Carbon disulfide	ND		ug/kg	23	10.	1
2-Butanone	ND		ug/kg	23	5.1	1
Vinyl acetate	ND		ug/kg	23	4.9	1
4-Methyl-2-pentanone	ND		ug/kg	23	2.9	1
1,2,3-Trichloropropane	ND		ug/kg	4.6	0.29	1
2-Hexanone	ND		ug/kg	23	2.7	1
Bromochloromethane	ND		ug/kg	4.6	0.47	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.46	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.64	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.38	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.33	1
n-Butylbenzene	ND		ug/kg	2.3	0.38	1
sec-Butylbenzene	ND		ug/kg	2.3	0.34	1
tert-Butylbenzene	ND		ug/kg	4.6	0.27	1
o-Chlorotoluene	ND		ug/kg	4.6	0.44	1
p-Chlorotoluene	ND		ug/kg	4.6	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	2.3	1
Hexachlorobutadiene	ND		ug/kg	9.2	0.39	1
Isopropylbenzene	ND		ug/kg	2.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.25	1
Naphthalene	9.2		ug/kg	9.2	1.5	1
Acrylonitrile	ND		ug/kg	9.2	2.6	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10

Date Collected: 10/16/24 09:45

Client ID: SB-13\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.3	0.39	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.74	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.62	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.44	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.77	1
1,4-Dioxane	ND		ug/kg	180	81.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.41	1
p-Ethyltoluene	ND		ug/kg	4.6	0.88	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.44	1
Ethyl ether	ND		ug/kg	4.6	0.78	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-11  
**Client ID:** SB-14\_0-2  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 09:10  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 10/19/24 02:04  
**Analyst:** AJK  
**Percent Solids:** 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	3.0		ug/kg	1.3	0.71	1
Ethylbenzene	7.2		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	46		ug/kg	2.6	0.74	1
o-Xylene	25		ug/kg	1.3	0.38	1
Xylenes, Total	71		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	3.5		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	38		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	0.29	J	ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	0.28	J	ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	7.9		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.32	J	ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	0.96	J	ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	4.5		ug/kg	2.6	0.44	1
1,4-Dioxane	52	J	ug/kg	100	46.	1
p-Diethylbenzene	2.4	J	ug/kg	2.6	0.23	1
p-Ethyltoluene	2.0	J	ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	1.4	J	ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	30	Q	70-130

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12  
 Client ID: SB-14\_6-8  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 10/19/24 02:29  
 Analyst: AJK  
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	9.7	4.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	1.9	0.45	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.24	1
Dibromochloromethane	ND		ug/kg	1.9	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.52	1
Tetrachloroethene	ND		ug/kg	0.97	0.38	1
Chlorobenzene	ND		ug/kg	0.97	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.8	1.4	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.50	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.32	1
Bromodichloromethane	ND		ug/kg	0.97	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.53	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.97	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.97	0.31	1
Bromoform	ND		ug/kg	7.8	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.32	1
Benzene	ND		ug/kg	0.97	0.32	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.27	1
Chloromethane	ND		ug/kg	7.8	1.8	1
Bromomethane	ND		ug/kg	3.9	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.65	1
Chloroethane	ND		ug/kg	3.9	0.88	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.27	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12  
 Client ID: SB-14\_6-8  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.97	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.9	0.39	1
p/m-Xylene	ND		ug/kg	3.9	1.1	1
o-Xylene	ND		ug/kg	1.9	0.57	1
Xylenes, Total	ND		ug/kg	1.9	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.27	1
Dibromomethane	ND		ug/kg	3.9	0.46	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	19	1.8	1
Acetone	ND		ug/kg	19	9.4	1
Carbon disulfide	ND		ug/kg	19	8.9	1
2-Butanone	ND		ug/kg	19	4.3	1
Vinyl acetate	ND		ug/kg	19	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	3.9	0.25	1
2-Hexanone	ND		ug/kg	19	2.3	1
Bromochloromethane	ND		ug/kg	3.9	0.40	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.39	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.54	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.26	1
Bromobenzene	ND		ug/kg	3.9	0.28	1
n-Butylbenzene	ND		ug/kg	1.9	0.32	1
sec-Butylbenzene	ND		ug/kg	1.9	0.28	1
tert-Butylbenzene	ND		ug/kg	3.9	0.23	1
o-Chlorotoluene	ND		ug/kg	3.9	0.37	1
p-Chlorotoluene	ND		ug/kg	3.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.8	0.33	1
Isopropylbenzene	ND		ug/kg	1.9	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.21	1
Naphthalene	ND		ug/kg	7.8	1.3	1
Acrylonitrile	ND		ug/kg	7.8	2.2	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-12  
**Client ID:** SB-14\_6-8  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 09:15  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.9	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.63	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.53	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.38	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.65	1
1,4-Dioxane	ND		ug/kg	160	68.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.34	1
p-Ethyltoluene	ND		ug/kg	3.9	0.75	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.37	1
Ethyl ether	ND		ug/kg	3.9	0.66	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.7	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: 515-519 W 43RD ST REDEVELOPMENT

Lab Number: L2460115

Project Number: 0211280-000-001-10

Report Date: 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
 Analytical Date: 10/21/24 09:58  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1987498-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 515-519 W 43RD ST REDEVELOPMENT

Lab Number: L2460115

Project Number: 0211280-000-001-10

Report Date: 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
 Analytical Date: 10/21/24 09:58  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1987498-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 10/21/24 09:58  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 10 Batch: WG1987498-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	92		70-130

Project Name: 515-519 W 43RD ST REDEVELOPMENT

Lab Number: L2460115

Project Number: 0211280-000-001-10

Report Date: 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
 Analytical Date: 10/18/24 21:29  
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1987499-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/18/24 21:29  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1987499-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/18/24 21:29  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1987499-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/18/24 21:29  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10 Batch: WG1987514-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	7.0	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 10/18/24 21:29  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10 Batch: WG1987514-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D  
Analytical Date: 10/18/24 21:29  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 10 Batch: WG1987514-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1987498-3 WG1987498-4								
Methylene chloride	91		88		70-130	3		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	101		98		70-130	3		30
1,2-Dichloropropane	101		99		70-130	2		30
Dibromochloromethane	93		95		70-130	2		30
1,1,2-Trichloroethane	97		98		70-130	1		30
Tetrachloroethene	101		97		70-130	4		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	106		98		70-139	8		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	102		97		70-130	5		30
Bromodichloromethane	97		95		70-130	2		30
trans-1,3-Dichloropropene	100		100		70-130	0		30
cis-1,3-Dichloropropene	102		101		70-130	1		30
1,1-Dichloropropene	108		102		70-130	6		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	94		99		70-130	5		30
Benzene	101		97		70-130	4		30
Toluene	98		95		70-130	3		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	90		83		52-130	8		30
Bromomethane	99		92		57-147	7		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1987498-3 WG1987498-4								
Vinyl chloride	91		86		67-130	6		30
Chloroethane	102		97		50-151	5		30
1,1-Dichloroethene	101		93		65-135	8		30
trans-1,2-Dichloroethene	99		96		70-130	3		30
Trichloroethene	102		98		70-130	4		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	100		97		70-130	3		30
1,4-Dichlorobenzene	99		94		70-130	5		30
Methyl tert butyl ether	99		99		66-130	0		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	97		94		70-130	3		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	95		95		70-130	0		30
Styrene	99		97		70-130	2		30
Dichlorodifluoromethane	67		64		30-146	5		30
Acetone	98		94		54-140	4		30
Carbon disulfide	97		93		59-130	4		30
2-Butanone	97		95		70-130	2		30
Vinyl acetate	101		106		70-130	5		30
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	82		90		70-130	9		30
Bromochloromethane	95		96		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1987498-3 WG1987498-4								
2,2-Dichloropropane	103		98		70-130	5		30
1,2-Dibromoethane	99		100		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	93		91		70-130	2		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	114		107		70-130	6		30
sec-Butylbenzene	105		100		70-130	5		30
tert-Butylbenzene	102		97		70-130	5		30
o-Chlorotoluene	104		98		70-130	6		30
p-Chlorotoluene	103		98		70-130	5		30
1,2-Dibromo-3-chloropropane	80		84		68-130	5		30
Hexachlorobutadiene	96		93		67-130	3		30
Isopropylbenzene	105		99		70-130	6		30
p-Isopropyltoluene	108		101		70-130	7		30
Naphthalene	96		98		70-130	2		30
Acrylonitrile	99		98		70-130	1		30
n-Propylbenzene	106		102		70-130	4		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	102		99		70-130	3		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	104		99		70-130	5		30
1,4-Dioxane	92		99		65-136	7		30
p-Diethylbenzene	111		104		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 10 Batch: WG1987498-3 WG1987498-4								
p-Ethyltoluene	106		101		70-130	5		30
1,2,4,5-Tetramethylbenzene	105		101		70-130	4		30
Ethyl ether	97		100		67-130	3		30
trans-1,4-Dichloro-2-butene	92		100		70-130	8		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	107		102		70-130
Dibromofluoromethane	100		102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1987499-3 WG1987499-4								
Methylene chloride	84		83		70-130	1		30
1,1-Dichloroethane	91		91		70-130	0		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	86		86		70-130	0		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	89		91		70-130	2		30
1,1,2-Trichloroethane	94		94		70-130	0		30
Tetrachloroethene	93		94		70-130	1		30
Chlorobenzene	89		90		70-130	1		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	90		91		70-130	1		30
1,1,1-Trichloroethane	91		91		70-130	0		30
Bromodichloromethane	86		88		70-130	2		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	88		89		70-130	1		30
1,1-Dichloropropene	92		92		70-130	0		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	87		87		70-130	0		30
Toluene	93		93		70-130	0		30
Ethylbenzene	93		94		70-130	1		30
Chloromethane	82		80		52-130	2		30
Bromomethane	81		82		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1987499-3 WG1987499-4								
Vinyl chloride	90		87		67-130	3		30
Chloroethane	89		87		50-151	2		30
1,1-Dichloroethene	87		86		65-135	1		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	76		74		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	93		94		70-130	1		30
cis-1,2-Dichloroethene	85		85		70-130	0		30
Dibromomethane	85		86		70-130	1		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	59		58		30-146	2		30
Acetone	78		74		54-140	5		30
Carbon disulfide	76		75		59-130	1		30
2-Butanone	86		79		70-130	8		30
Vinyl acetate	86		84		70-130	2		30
4-Methyl-2-pentanone	96		93		70-130	3		30
1,2,3-Trichloropropane	98		95		68-130	3		30
2-Hexanone	95		94		70-130	1		30
Bromochloromethane	88		88		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1987499-3 WG1987499-4								
2,2-Dichloropropane	90		89		70-130	1		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	92		94		70-130	2		30
Bromobenzene	93		94		70-130	1		30
n-Butylbenzene	100		101		70-130	1		30
sec-Butylbenzene	99		99		70-130	0		30
tert-Butylbenzene	96		98		70-130	2		30
o-Chlorotoluene	98		100		70-130	2		30
p-Chlorotoluene	97		99		70-130	2		30
1,2-Dibromo-3-chloropropane	84		84		68-130	0		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	98		99		70-130	1		30
p-Isopropyltoluene	98		100		70-130	2		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	83		79		70-130	5		30
n-Propylbenzene	99		100		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	93		94		70-130	1		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	92		87		65-136	6		30
p-Diethylbenzene	98		100		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1987499-3 WG1987499-4								
p-Ethyltoluene	99		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		30
Ethyl ether	74		73		67-130	1		30
trans-1,4-Dichloro-2-butene	95		93		70-130	2		30

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	96		95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1987514-3 WG1987514-4								
Methylene chloride	84		83		70-130	1		30
1,1-Dichloroethane	91		91		70-130	0		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	86		86		70-130	0		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	89		91		70-130	2		30
1,1,2-Trichloroethane	94		94		70-130	0		30
Tetrachloroethene	93		94		70-130	1		30
Chlorobenzene	89		90		70-130	1		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	90		91		70-130	1		30
1,1,1-Trichloroethane	91		91		70-130	0		30
Bromodichloromethane	86		88		70-130	2		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	88		89		70-130	1		30
1,1-Dichloropropene	92		92		70-130	0		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	87		87		70-130	0		30
Toluene	93		93		70-130	0		30
Ethylbenzene	93		94		70-130	1		30
Chloromethane	82		80		52-130	2		30
Bromomethane	81		82		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1987514-3 WG1987514-4								
Vinyl chloride	90		87		67-130	3		30
Chloroethane	89		87		50-151	2		30
1,1-Dichloroethene	87		86		65-135	1		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	76		74		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	93		94		70-130	1		30
cis-1,2-Dichloroethene	85		85		70-130	0		30
Dibromomethane	85		86		70-130	1		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	59		58		30-146	2		30
Acetone	78		74		54-140	5		30
Carbon disulfide	76		75		59-130	1		30
2-Butanone	86		79		70-130	8		30
Vinyl acetate	86		84		70-130	2		30
4-Methyl-2-pentanone	96		93		70-130	3		30
1,2,3-Trichloropropane	98		95		68-130	3		30
2-Hexanone	95		94		70-130	1		30
Bromochloromethane	88		88		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1987514-3 WG1987514-4								
2,2-Dichloropropane	90		89		70-130	1		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	92		94		70-130	2		30
Bromobenzene	93		94		70-130	1		30
n-Butylbenzene	100		101		70-130	1		30
sec-Butylbenzene	99		99		70-130	0		30
tert-Butylbenzene	96		98		70-130	2		30
o-Chlorotoluene	98		100		70-130	2		30
p-Chlorotoluene	97		99		70-130	2		30
1,2-Dibromo-3-chloropropane	84		84		68-130	0		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	98		99		70-130	1		30
p-Isopropyltoluene	98		100		70-130	2		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	83		79		70-130	5		30
n-Propylbenzene	99		100		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	93		94		70-130	1		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	92		87		65-136	6		30
p-Diethylbenzene	98		100		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1987514-3 WG1987514-4								
p-Ethyltoluene	99		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		30
Ethyl ether	74		73		67-130	1		30
trans-1,4-Dichloro-2-butene	95		93		70-130	2		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	96		95		70-130

# SEMIVOLATILES

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-01  
 Client ID: SB-09\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 03:30  
 Analyst: SLR  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 10/22/24 10:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	150		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01

Date Collected: 10/16/24 12:00

Client ID: SB-09\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	82	J	ug/kg	110	20.	1
Benzo(a)pyrene	87	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	100	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	31	J	ug/kg	110	28.	1
Chrysene	84	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	56	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	100	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	140	25.	1
Pyrene	160		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-01  
 Client ID: SB-09\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	22		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02  
 Client ID: SB-09\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:05  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 03:12  
 Analyst: SLR  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	34	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02  
 Client ID: SB-09\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 12:05  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	18	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	39	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	28	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-02  
**Client ID:** SB-09\_3-5  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 12:05  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	38		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03  
 Client ID: SB-10\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:30  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/22/24 16:03  
 Analyst: MRG  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	36	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	960		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	27	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03  
 Client ID: SB-10\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:30  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	520		ug/kg	110	20.	1
Benzo(a)pyrene	460		ug/kg	140	43.	1
Benzo(b)fluoranthene	560		ug/kg	110	30.	1
Benzo(k)fluoranthene	190		ug/kg	110	28.	1
Chrysene	490		ug/kg	110	18.	1
Acenaphthylene	27	J	ug/kg	140	27.	1
Anthracene	120		ug/kg	110	34.	1
Benzo(ghi)perylene	270		ug/kg	140	21.	1
Fluorene	32	J	ug/kg	180	17.	1
Phenanthrene	430		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	65	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	140	25.	1
Pyrene	930		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03  
 Client ID: SB-10\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:30  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	26	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04  
 Client ID: SB-10\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/22/24 16:27  
 Analyst: MRG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04  
 Client ID: SB-10\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-04  
 Client ID: SB-10\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	54.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 04:24  
 Analyst: SLR  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	260		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	150		ug/kg	110	20.	1
Benzo(a)pyrene	170		ug/kg	140	44.	1
Benzo(b)fluoranthene	220		ug/kg	110	30.	1
Benzo(k)fluoranthene	70	J	ug/kg	110	29.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	130	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	120		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	94	J	ug/kg	140	25.	1
Pyrene	260		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-05  
 Client ID: SB-11\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:00  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	63		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 01:25  
 Analyst: SLR  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-06  
 Client ID: SB-11\_3-5  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 11:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	59		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/22/24 16:51  
 Analyst: MRG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	23	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	430		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	200		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	45.	1
Benzo(b)fluoranthene	210		ug/kg	110	31.	1
Benzo(k)fluoranthene	76	J	ug/kg	110	29.	1
Chrysene	190		ug/kg	110	19.	1
Acenaphthylene	38	J	ug/kg	150	28.	1
Anthracene	75	J	ug/kg	110	36.	1
Benzo(ghi)perylene	120	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	370		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	150	26.	1
Pyrene	380		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	31	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-07  
 Client ID: SB-12\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	35	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	2	Q	25-120
Phenol-d6	19		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	1	Q	10-136
4-Terphenyl-d14	62		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07 RE

Date Collected: 10/16/24 10:15

Client ID: SB-12\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 10/22/24 19:45

Analytical Date: 10/23/24 08:21

Analyst: JG

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	220		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	90	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07 RE

Date Collected: 10/16/24 10:15

Client ID: SB-12\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	100	J	ug/kg	110	21.	1
Benzo(a)pyrene	92	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	130		ug/kg	110	31.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	29.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	72	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	230		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	57	J	ug/kg	150	26.	1
Pyrene	200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	26	J	ug/kg	180	17.	1
2-Methylnaphthalene	89	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07 RE

Date Collected: 10/16/24 10:15

Client ID: SB-12\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	13	Q	25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	3	Q	10-136
4-Terphenyl-d14	70		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 01:35  
 Analyst: SLR  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-08  
 Client ID: SB-12\_8-10  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 10:25  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	52		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09 D

Date Collected: 10/16/24 09:35

Client ID: SB-13\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 10/21/24 20:32

Analytical Date: 10/23/24 13:00

Analyst: JG

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	3800		ug/kg	3000	390	20
1,2,4-Trichlorobenzene	ND		ug/kg	3800	430	20
Hexachlorobenzene	ND		ug/kg	2300	420	20
Bis(2-chloroethyl)ether	ND		ug/kg	3400	510	20
2-Chloronaphthalene	ND		ug/kg	3800	370	20
1,2-Dichlorobenzene	ND		ug/kg	3800	680	20
1,3-Dichlorobenzene	ND		ug/kg	3800	650	20
1,4-Dichlorobenzene	ND		ug/kg	3800	660	20
3,3'-Dichlorobenzidine	ND		ug/kg	3800	1000	20
2,4-Dinitrotoluene	ND		ug/kg	3800	750	20
2,6-Dinitrotoluene	ND		ug/kg	3800	650	20
Fluoranthene	90000		ug/kg	2300	430	20
4-Chlorophenyl phenyl ether	ND		ug/kg	3800	400	20
4-Bromophenyl phenyl ether	ND		ug/kg	3800	580	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	4500	640	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4100	380	20
Hexachlorobutadiene	ND		ug/kg	3800	550	20
Hexachlorocyclopentadiene	ND		ug/kg	11000	3400	20
Hexachloroethane	ND		ug/kg	3000	610	20
Isophorone	ND		ug/kg	3400	490	20
Naphthalene	2700	J	ug/kg	3800	460	20
Nitrobenzene	ND		ug/kg	3400	560	20
NDPA/DPA	ND		ug/kg	3000	430	20
n-Nitrosodi-n-propylamine	ND		ug/kg	3800	580	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	3800	1300	20
Butyl benzyl phthalate	ND		ug/kg	3800	950	20
Di-n-butylphthalate	ND		ug/kg	3800	720	20
Di-n-octylphthalate	ND		ug/kg	3800	1300	20

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09 D

Date Collected: 10/16/24 09:35

Client ID: SB-13\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	3800	350	20
Dimethyl phthalate	ND		ug/kg	3800	790	20
Benzo(a)anthracene	47000		ug/kg	2300	420	20
Benzo(a)pyrene	43000		ug/kg	3000	920	20
Benzo(b)fluoranthene	54000		ug/kg	2300	640	20
Benzo(k)fluoranthene	19000		ug/kg	2300	600	20
Chrysene	48000		ug/kg	2300	390	20
Acenaphthylene	7700		ug/kg	3000	580	20
Anthracene	16000		ug/kg	2300	740	20
Benzo(ghi)perylene	29000		ug/kg	3000	440	20
Fluorene	3700	J	ug/kg	3800	370	20
Phenanthrene	78000		ug/kg	2300	460	20
Dibenzo(a,h)anthracene	6500		ug/kg	2300	440	20
Indeno(1,2,3-cd)pyrene	28000		ug/kg	3000	520	20
Pyrene	82000		ug/kg	2300	370	20
Biphenyl	620	J	ug/kg	8600	490	20
4-Chloroaniline	ND		ug/kg	3800	690	20
2-Nitroaniline	ND		ug/kg	3800	730	20
3-Nitroaniline	ND		ug/kg	3800	710	20
4-Nitroaniline	ND		ug/kg	3800	1600	20
Dibenzofuran	3000	J	ug/kg	3800	360	20
2-Methylnaphthalene	3000	J	ug/kg	4500	460	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3800	390	20
Acetophenone	ND		ug/kg	3800	470	20
2,4,6-Trichlorophenol	ND		ug/kg	2300	720	20
p-Chloro-m-cresol	ND		ug/kg	3800	560	20
2-Chlorophenol	ND		ug/kg	3800	440	20
2,4-Dichlorophenol	ND		ug/kg	3400	610	20
2,4-Dimethylphenol	ND		ug/kg	3800	1200	20
2-Nitrophenol	ND		ug/kg	8100	1400	20
4-Nitrophenol	ND		ug/kg	5300	1500	20
2,4-Dinitrophenol	ND		ug/kg	18000	1800	20
4,6-Dinitro-o-cresol	ND		ug/kg	9800	1800	20
Pentachlorophenol	ND		ug/kg	3000	830	20
Phenol	ND		ug/kg	3800	570	20
2-Methylphenol	ND		ug/kg	3800	580	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	5400	590	20

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-09 D  
 Client ID: SB-13\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:35  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	3800	720	20
Benzoic Acid	ND		ug/kg	12000	3800	20
Benzyl Alcohol	ND		ug/kg	3800	1200	20
Carbazole	8100		ug/kg	3800	370	20
1,4-Dioxane	ND		ug/kg	560	170	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-10  
**Client ID:** SB-13\_5-7  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 09:45  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 10/22/24 17:38  
**Analyst:** MRG  
**Percent Solids:** 70%

**Extraction Method:** EPA 3546  
**Extraction Date:** 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	190	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	27.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	42.	1
1,3-Dichlorobenzene	ND		ug/kg	230	40.	1
1,4-Dichlorobenzene	ND		ug/kg	230	41.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	47.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	57	J	ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	32	J	ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	81.	1
Butyl benzyl phthalate	ND		ug/kg	230	59.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	80.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10  
 Client ID: SB-13\_5-7  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:45  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	230	22.	1
Dimethyl phthalate	ND		ug/kg	230	49.	1
Benzo(a)anthracene	41	J	ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	190	57.	1
Benzo(b)fluoranthene	59	J	ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	49	J	ug/kg	140	24.	1
Acenaphthylene	58	J	ug/kg	190	36.	1
Anthracene	ND		ug/kg	140	46.	1
Benzo(ghi)perylene	52	J	ug/kg	190	28.	1
Fluorene	ND		ug/kg	230	23.	1
Phenanthrene	49	J	ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	35	J	ug/kg	190	33.	1
Pyrene	50	J	ug/kg	140	23.	1
Biphenyl	ND		ug/kg	530	30.	1
4-Chloroaniline	ND		ug/kg	230	43.	1
2-Nitroaniline	ND		ug/kg	230	45.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	97.	1
Dibenzofuran	22	J	ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	300		ug/kg	230	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	35.	1
2-Chlorophenol	ND		ug/kg	230	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	230	77.	1
2-Nitrophenol	ND		ug/kg	500	88.	1
4-Nitrophenol	ND		ug/kg	330	96.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	110	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	52	J	ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	51	J	ug/kg	340	37.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-10  
**Client ID:** SB-13\_5-7  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 09:45  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	45.	1
Benzoic Acid	340	J	ug/kg	760	240	1
Benzyl Alcohol	ND		ug/kg	230	72.	1
Carbazole	ND		ug/kg	230	23.	1
1,4-Dioxane	ND		ug/kg	35	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	38		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11  
 Client ID: SB-14\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 06:13  
 Analyst: SLR  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	200		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	140	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	39000	E	ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	100		ug/kg	100	20.	1
Benzo(a)pyrene	74	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	92	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	35	J	ug/kg	100	28.	1
Chrysene	110		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	77	J	ug/kg	140	21.	1
Fluorene	19	J	ug/kg	180	17.	1
Phenanthrene	180		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	63	J	ug/kg	140	24.	1
Pyrene	180		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	48	J	ug/kg	180	16.	1
2-Methylnaphthalene	190	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-11  
 Client ID: SB-14\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	17	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	12	Q	25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	2	Q	10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11 REVD

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 10/23/24 12:49

Analytical Date: 10/24/24 15:05

Analyst: IM

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	82000		ug/kg	8700	3000	50

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11 RE

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 10/23/24 12:49

Analytical Date: 10/24/24 07:35

Analyst: SLR

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	130		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	180		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	30000	E	ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11 RE

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	69	J	ug/kg	100	20.	1
Benzo(a)pyrene	65	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	79	J	ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	77	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	53	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	160		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	36	J	ug/kg	140	24.	1
Pyrene	130		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	65	J	ug/kg	170	16.	1
2-Methylnaphthalene	260		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-11 RE  
 Client ID: SB-14\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	4	Q	10-136
4-Terphenyl-d14	79		18-120

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

Lab ID: L2460115-11 D  
 Client ID: SB-14\_0-2  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:10  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 15:23  
 Analyst: JG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	60000		ug/kg	3500	1200	20

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12  
 Client ID: SB-14\_6-8  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 06:11  
 Analyst: SLR  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	33.	1
Fluoranthene	280		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12  
 Client ID: SB-14\_6-8  
 Sample Location: 514-518 W 44TH ST

Date Collected: 10/16/24 09:15  
 Date Received: 10/16/24  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	140		ug/kg	120	22.	1
Benzo(a)pyrene	150	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	190		ug/kg	120	33.	1
Benzo(k)fluoranthene	63	J	ug/kg	120	31.	1
Chrysene	150		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	44	J	ug/kg	120	38.	1
Benzo(ghi)perylene	110	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	230		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	80	J	ug/kg	160	27.	1
Pyrene	260		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**SAMPLE RESULTS**

**Lab ID:** L2460115-12  
**Client ID:** SB-14\_6-8  
**Sample Location:** 514-518 W 44TH ST

**Date Collected:** 10/16/24 09:15  
**Date Received:** 10/16/24  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	26	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	56		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/22/24 08:09  
Analyst: MRG

Extraction Method: EPA 3546  
Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-11 Batch: WG1987160-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/22/24 08:09  
Analyst: MRG

Extraction Method: EPA 3546  
Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-11 Batch: WG1987160-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270E  
 Analytical Date: 10/22/24 08:09  
 Analyst: MRG

Extraction Method: EPA 3546  
 Extraction Date: 10/21/24 20:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-11 Batch: WG1987160-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/22/24 22:43  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-07,12 Batch: WG1987432-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/22/24 22:43  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-07,12 Batch: WG1987432-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/22/24 22:43  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 10/22/24 09:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-07,12 Batch: WG1987432-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	59		18-120

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E  
Analytical Date: 10/23/24 23:33  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 10/23/24 12:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1988120-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/23/24 23:33  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 10/23/24 12:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1988120-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270E  
 Analytical Date: 10/23/24 23:33  
 Analyst: SLR

Extraction Method: EPA 3546  
 Extraction Date: 10/23/24 12:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1988120-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	77		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-11 Batch: WG1987160-2 WG1987160-3								
Acenaphthene	72		69		31-137	4		50
1,2,4-Trichlorobenzene	71		66		38-107	7		50
Hexachlorobenzene	75		70		40-140	7		50
Bis(2-chloroethyl)ether	76		73		40-140	4		50
2-Chloronaphthalene	73		68		40-140	7		50
1,2-Dichlorobenzene	70		65		40-140	7		50
1,3-Dichlorobenzene	69		63		40-140	9		50
1,4-Dichlorobenzene	70		65		28-104	7		50
3,3'-Dichlorobenzidine	87		81		40-140	7		50
2,4-Dinitrotoluene	81		76		40-132	6		50
2,6-Dinitrotoluene	82		75		40-140	9		50
Fluoranthene	75		69		40-140	8		50
4-Chlorophenyl phenyl ether	74		68		40-140	8		50
4-Bromophenyl phenyl ether	75		70		40-140	7		50
Bis(2-chloroisopropyl)ether	82		76		40-140	8		50
Bis(2-chloroethoxy)methane	82		77		40-117	6		50
Hexachlorobutadiene	62		58		40-140	7		50
Hexachlorocyclopentadiene	56		52		40-140	7		50
Hexachloroethane	72		67		40-140	7		50
Isophorone	75		70		40-140	7		50
Naphthalene	73		67		40-140	9		50
Nitrobenzene	74		69		40-140	7		50
NDPA/DPA	74		71		36-157	4		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-11 Batch: WG1987160-2 WG1987160-3								
n-Nitrosodi-n-propylamine	76		72		32-121	5		50
Bis(2-ethylhexyl)phthalate	91		83		40-140	9		50
Butyl benzyl phthalate	91		83		40-140	9		50
Di-n-butylphthalate	86		80		40-140	7		50
Di-n-octylphthalate	93		85		40-140	9		50
Diethyl phthalate	78		72		40-140	8		50
Dimethyl phthalate	74		70		40-140	6		50
Benzo(a)anthracene	76		71		40-140	7		50
Benzo(a)pyrene	83		76		40-140	9		50
Benzo(b)fluoranthene	81		74		40-140	9		50
Benzo(k)fluoranthene	78		73		40-140	7		50
Chrysene	76		72		40-140	5		50
Acenaphthylene	78		73		40-140	7		50
Anthracene	76		71		40-140	7		50
Benzo(ghi)perylene	78		73		40-140	7		50
Fluorene	75		70		40-140	7		50
Phenanthrene	75		70		40-140	7		50
Dibenzo(a,h)anthracene	77		70		40-140	10		50
Indeno(1,2,3-cd)pyrene	79		74		40-140	7		50
Pyrene	75		69		35-142	8		50
Biphenyl	76		70		37-127	8		50
4-Chloroaniline	55		50		40-140	10		50
2-Nitroaniline	90		83		47-134	8		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-11 Batch: WG1987160-2 WG1987160-3								
3-Nitroaniline	78		74		26-129	5		50
4-Nitroaniline	86		78		41-125	10		50
Dibenzofuran	74		68		40-140	8		50
2-Methylnaphthalene	74		69		40-140	7		50
1,2,4,5-Tetrachlorobenzene	73		68		40-117	7		50
Acetophenone	82		78		14-144	5		50
2,4,6-Trichlorophenol	74		67		30-130	10		50
p-Chloro-m-cresol	80		73		26-103	9		50
2-Chlorophenol	81		76		25-102	6		50
2,4-Dichlorophenol	79		73		30-130	8		50
2,4-Dimethylphenol	67		63		30-130	6		50
2-Nitrophenol	82		77		30-130	6		50
4-Nitrophenol	87		81		11-114	7		50
2,4-Dinitrophenol	68		65		4-130	5		50
4,6-Dinitro-o-cresol	72		68		10-130	6		50
Pentachlorophenol	70		66		17-109	6		50
Phenol	80		75		26-90	6		50
2-Methylphenol	83		77		30-130.	8		50
3-Methylphenol/4-Methylphenol	83		78		30-130	6		50
2,4,5-Trichlorophenol	76		73		30-130	4		50
Benzoic Acid	36		34		10-110	6		50
Benzyl Alcohol	78		74		40-140	5		50
Carbazole	78		72		54-128	8		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-11 Batch: WG1987160-2 WG1987160-3								
1,4-Dioxane	59		58		40-140	2		50

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
2-Fluorophenol	79		78		25-120
Phenol-d6	82		78		10-120
Nitrobenzene-d5	76		70		23-120
2-Fluorobiphenyl	70		67		30-120
2,4,6-Tribromophenol	79		75		10-136
4-Terphenyl-d14	79		73		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-07,12 Batch: WG1987432-2 WG1987432-3								
Acenaphthene	78		65		31-137	18		50
1,2,4-Trichlorobenzene	80		73		38-107	9		50
Hexachlorobenzene	75		63		40-140	17		50
Bis(2-chloroethyl)ether	77		71		40-140	8		50
2-Chloronaphthalene	78		69		40-140	12		50
1,2-Dichlorobenzene	75		70		40-140	7		50
1,3-Dichlorobenzene	76		70		40-140	8		50
1,4-Dichlorobenzene	76		70		28-104	8		50
3,3'-Dichlorobenzidine	83		71		40-140	16		50
2,4-Dinitrotoluene	79		66		40-132	18		50
2,6-Dinitrotoluene	76		68		40-140	11		50
Fluoranthene	70		61		40-140	14		50
4-Chlorophenyl phenyl ether	78		67		40-140	15		50
4-Bromophenyl phenyl ether	75		65		40-140	14		50
Bis(2-chloroisopropyl)ether	86		80		40-140	7		50
Bis(2-chloroethoxy)methane	75		69		40-117	8		50
Hexachlorobutadiene	80		74		40-140	8		50
Hexachlorocyclopentadiene	54		51		40-140	6		50
Hexachloroethane	75		70		40-140	7		50
Isophorone	74		69		40-140	7		50
Naphthalene	77		70		40-140	10		50
Nitrobenzene	78		72		40-140	8		50
NDPA/DPA	74		62		36-157	18		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-07,12 Batch: WG1987432-2 WG1987432-3								
n-Nitrosodi-n-propylamine	77		71		32-121	8		50
Bis(2-ethylhexyl)phthalate	87		74		40-140	16		50
Butyl benzyl phthalate	68		62		40-140	9		50
Di-n-butylphthalate	77		67		40-140	14		50
Di-n-octylphthalate	84		74		40-140	13		50
Diethyl phthalate	75		66		40-140	13		50
Dimethyl phthalate	71		67		40-140	6		50
Benzo(a)anthracene	80		65		40-140	21		50
Benzo(a)pyrene	80		69		40-140	15		50
Benzo(b)fluoranthene	75		64		40-140	16		50
Benzo(k)fluoranthene	82		72		40-140	13		50
Chrysene	80		65		40-140	21		50
Acenaphthylene	76		68		40-140	11		50
Anthracene	82		66		40-140	22		50
Benzo(ghi)perylene	84		71		40-140	17		50
Fluorene	78		65		40-140	18		50
Phenanthrene	78		64		40-140	20		50
Dibenzo(a,h)anthracene	84		70		40-140	18		50
Indeno(1,2,3-cd)pyrene	82		70		40-140	16		50
Pyrene	70		60		35-142	15		50
Biphenyl	77		70		37-127	10		50
4-Chloroaniline	66		54		40-140	20		50
2-Nitroaniline	77		66		47-134	15		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-07,12 Batch: WG1987432-2 WG1987432-3								
3-Nitroaniline	63		50		26-129	23		50
4-Nitroaniline	68		61		41-125	11		50
Dibenzofuran	81		67		40-140	19		50
2-Methylnaphthalene	74		67		40-140	10		50
1,2,4,5-Tetrachlorobenzene	82		75		40-117	9		50
Acetophenone	80		75		14-144	6		50
2,4,6-Trichlorophenol	80		71		30-130	12		50
p-Chloro-m-cresol	77		69		26-103	11		50
2-Chlorophenol	79		71		25-102	11		50
2,4-Dichlorophenol	79		70		30-130	12		50
2,4-Dimethylphenol	64		59		30-130	8		50
2-Nitrophenol	85		76		30-130	11		50
4-Nitrophenol	77		66		11-114	15		50
2,4-Dinitrophenol	68		57		4-130	18		50
4,6-Dinitro-o-cresol	72		62		10-130	15		50
Pentachlorophenol	61		55		17-109	10		50
Phenol	79		69		26-90	14		50
2-Methylphenol	77		69		30-130.	11		50
3-Methylphenol/4-Methylphenol	75		67		30-130	11		50
2,4,5-Trichlorophenol	76		69		30-130	10		50
Benzoic Acid	49		46		10-110	6		50
Benzyl Alcohol	83		74		40-140	11		50
Carbazole	76		63		54-128	19		50

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-07,12 Batch: WG1987432-2 WG1987432-3								
1,4-Dioxane	59		58		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		69		25-120
Phenol-d6	75		67		10-120
Nitrobenzene-d5	77		70		23-120
2-Fluorobiphenyl	75		67		30-120
2,4,6-Tribromophenol	77		66		10-136
4-Terphenyl-d14	65		58		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1988120-2 WG1988120-3								
Acenaphthene	73		77		31-137	5		50
1,2,4-Trichlorobenzene	73		77		38-107	5		50
Hexachlorobenzene	74		81		40-140	9		50
Bis(2-chloroethyl)ether	69		72		40-140	4		50
2-Chloronaphthalene	74		80		40-140	8		50
1,2-Dichlorobenzene	68		71		40-140	4		50
1,3-Dichlorobenzene	68		69		40-140	1		50
1,4-Dichlorobenzene	67		71		28-104	6		50
3,3'-Dichlorobenzidine	78		82		40-140	5		50
2,4-Dinitrotoluene	75		85		40-132	13		50
2,6-Dinitrotoluene	73		85		40-140	15		50
Fluoranthene	68		78		40-140	14		50
4-Chlorophenyl phenyl ether	78		82		40-140	5		50
4-Bromophenyl phenyl ether	74		82		40-140	10		50
Bis(2-chloroisopropyl)ether	77		81		40-140	5		50
Bis(2-chloroethoxy)methane	69		75		40-117	8		50
Hexachlorobutadiene	76		78		40-140	3		50
Hexachlorocyclopentadiene	53		54		40-140	2		50
Hexachloroethane	67		71		40-140	6		50
Isophorone	69		75		40-140	8		50
Naphthalene	70		75		40-140	7		50
Nitrobenzene	70		74		40-140	6		50
NDPA/DPA	70		79		36-157	12		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1988120-2 WG1988120-3								
n-Nitrosodi-n-propylamine	69		74		32-121	7		50
Bis(2-ethylhexyl)phthalate	87		90		40-140	3		50
Butyl benzyl phthalate	71		82		40-140	14		50
Di-n-butylphthalate	77		84		40-140	9		50
Di-n-octylphthalate	86		88		40-140	2		50
Diethyl phthalate	75		83		40-140	10		50
Dimethyl phthalate	73		81		40-140	10		50
Benzo(a)anthracene	76		80		40-140	5		50
Benzo(a)pyrene	72		82		40-140	13		50
Benzo(b)fluoranthene	68		77		40-140	12		50
Benzo(k)fluoranthene	77		82		40-140	6		50
Chrysene	75		80		40-140	6		50
Acenaphthylene	73		80		40-140	9		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	77		81		40-140	5		50
Fluorene	73		80		40-140	9		50
Phenanthrene	75		78		40-140	4		50
Dibenzo(a,h)anthracene	75		82		40-140	9		50
Indeno(1,2,3-cd)pyrene	76		81		40-140	6		50
Pyrene	68		77		35-142	12		50
Biphenyl	75		80		37-127	6		50
4-Chloroaniline	50		53		40-140	6		50
2-Nitroaniline	72		81		47-134	12		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 515-519 W 43RD ST REDEVELOPMENT

Lab Number: L2460115

Project Number: 0211280-000-001-10

Report Date: 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1988120-2 WG1988120-3								
3-Nitroaniline	55		61		26-129	10		50
4-Nitroaniline	65		77		41-125	17		50
Dibenzofuran	77		82		40-140	6		50
2-Methylnaphthalene	70		74		40-140	6		50
1,2,4,5-Tetrachlorobenzene	78		83		40-117	6		50
Acetophenone	72		77		14-144	7		50
2,4,6-Trichlorophenol	79		85		30-130	7		50
p-Chloro-m-cresol	74		81		26-103	9		50
2-Chlorophenol	71		76		25-102	7		50
2,4-Dichlorophenol	74		80		30-130	8		50
2,4-Dimethylphenol	61		66		30-130	8		50
2-Nitrophenol	76		81		30-130	6		50
4-Nitrophenol	71		88		11-114	21		50
2,4-Dinitrophenol	55		72		4-130	27		50
4,6-Dinitro-o-cresol	70		81		10-130	15		50
Pentachlorophenol	60		71		17-109	17		50
Phenol	69		75		26-90	8		50
2-Methylphenol	69		75		30-130.	8		50
3-Methylphenol/4-Methylphenol	68		75		30-130	10		50
2,4,5-Trichlorophenol	75		84		30-130	11		50
Benzoic Acid	21		59		10-110	95	Q	50
Benzyl Alcohol	74		80		40-140	8		50
Carbazole	72		79		54-128	9		50

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1988120-2 WG1988120-3								
1,4-Dioxane	52		57		40-140	9		50

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	73		79		25-120
Phenol-d6	74		80		10-120
Nitrobenzene-d5	74		81		23-120
2-Fluorobiphenyl	78		82		30-120
2,4,6-Tribromophenol	85		95		10-136
4-Terphenyl-d14	70		80		18-120

## METALS

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01

Date Collected: 10/16/24 12:00

Client ID: SB-09\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5800		mg/kg	8.67	2.34	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.33	0.329	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.55		mg/kg	0.867	0.180	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Barium, Total	54.0		mg/kg	0.867	0.151	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.291	J	mg/kg	0.433	0.029	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.867	0.085	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Calcium, Total	1780		mg/kg	8.67	3.03	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Chromium, Total	12.5		mg/kg	0.867	0.083	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.10		mg/kg	1.73	0.144	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Copper, Total	10.0		mg/kg	0.867	0.224	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Iron, Total	13300		mg/kg	4.33	0.783	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Lead, Total	4.70		mg/kg	4.33	0.232	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Magnesium, Total	1870		mg/kg	8.67	1.33	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Manganese, Total	479		mg/kg	0.867	0.138	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.078	0.051	1	10/21/24 16:43	10/23/24 09:34	EPA 7471B	1,7471B	MJR
Nickel, Total	8.82		mg/kg	2.17	0.210	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Potassium, Total	1210		mg/kg	217	12.5	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.73	0.224	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.433	0.245	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Sodium, Total	376		mg/kg	173	2.73	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.73	0.273	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Vanadium, Total	14.0		mg/kg	0.867	0.176	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC
Zinc, Total	19.6		mg/kg	4.33	0.254	2	10/21/24 14:22	10/22/24 19:58	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02

Date Collected: 10/16/24 12:05

Client ID: SB-09\_3-5

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5900		mg/kg	8.35	2.25	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Antimony, Total	2.05	J	mg/kg	4.18	0.317	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.01		mg/kg	0.835	0.174	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Barium, Total	487		mg/kg	0.835	0.145	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.358	J	mg/kg	0.418	0.028	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.647	J	mg/kg	0.835	0.082	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Calcium, Total	12000		mg/kg	8.35	2.92	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Chromium, Total	13.6		mg/kg	0.835	0.080	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.48		mg/kg	1.67	0.139	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Copper, Total	76.2		mg/kg	0.835	0.215	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Iron, Total	15300		mg/kg	4.18	0.754	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Lead, Total	673		mg/kg	4.18	0.224	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Magnesium, Total	2140		mg/kg	8.35	1.28	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Manganese, Total	330		mg/kg	0.835	0.133	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Mercury, Total	0.603		mg/kg	0.080	0.052	1	10/21/24 16:43	10/23/24 09:38	EPA 7471B	1,7471B	MJR
Nickel, Total	30.0		mg/kg	2.09	0.202	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Potassium, Total	1440		mg/kg	209	12.0	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Selenium, Total	0.286	J	mg/kg	1.67	0.215	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Silver, Total	0.306	J	mg/kg	0.418	0.236	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Sodium, Total	640		mg/kg	167	2.63	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.67	0.263	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Vanadium, Total	19.5		mg/kg	0.835	0.170	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC
Zinc, Total	398		mg/kg	4.18	0.245	2	10/21/24 14:22	10/22/24 18:57	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03

Date Collected: 10/16/24 11:30

Client ID: SB-10\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5820		mg/kg	8.37	2.26	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Antimony, Total	0.390	J	mg/kg	4.18	0.318	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.28		mg/kg	0.837	0.174	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Barium, Total	93.2		mg/kg	0.837	0.146	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.321	J	mg/kg	0.418	0.028	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.086	J	mg/kg	0.837	0.082	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Calcium, Total	9490		mg/kg	8.37	2.93	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Chromium, Total	12.6		mg/kg	0.837	0.080	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.24		mg/kg	1.67	0.139	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Copper, Total	20.7		mg/kg	0.837	0.216	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Iron, Total	11200		mg/kg	4.18	0.756	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Lead, Total	121		mg/kg	4.18	0.224	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Magnesium, Total	2320		mg/kg	8.37	1.29	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Manganese, Total	192		mg/kg	0.837	0.133	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Mercury, Total	0.160		mg/kg	0.078	0.051	1	10/21/24 16:43	10/23/24 09:41	EPA 7471B	1,7471B	MJR
Nickel, Total	12.1		mg/kg	2.09	0.202	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Potassium, Total	889		mg/kg	209	12.0	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.67	0.216	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.418	0.237	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Sodium, Total	720		mg/kg	167	2.64	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.67	0.264	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Vanadium, Total	16.8		mg/kg	0.837	0.170	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC
Zinc, Total	92.6		mg/kg	4.18	0.245	2	10/21/24 14:22	10/22/24 19:01	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04

Date Collected: 10/16/24 11:35

Client ID: SB-10\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	10700		mg/kg	8.59	2.32	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.29	0.326	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.33		mg/kg	0.859	0.179	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Barium, Total	88.1		mg/kg	0.859	0.149	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.563		mg/kg	0.429	0.028	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.859	0.084	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Calcium, Total	3500		mg/kg	8.59	3.00	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Chromium, Total	32.9		mg/kg	0.859	0.082	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.29		mg/kg	1.72	0.142	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Copper, Total	20.1		mg/kg	0.859	0.222	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Iron, Total	18500		mg/kg	4.29	0.776	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Lead, Total	14.2		mg/kg	4.29	0.230	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Magnesium, Total	5590		mg/kg	8.59	1.32	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Manganese, Total	285		mg/kg	0.859	0.136	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Mercury, Total	0.049	J	mg/kg	0.075	0.049	1	10/21/24 16:43	10/23/24 09:44	EPA 7471B	1,7471B	MJR
Nickel, Total	23.3		mg/kg	2.15	0.208	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Potassium, Total	5190		mg/kg	215	12.4	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.72	0.222	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.429	0.243	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Sodium, Total	820		mg/kg	172	2.70	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Thallium, Total	0.327	J	mg/kg	1.72	0.270	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Vanadium, Total	25.9		mg/kg	0.859	0.174	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC
Zinc, Total	56.4		mg/kg	4.29	0.252	2	10/21/24 14:22	10/22/24 19:05	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05

Date Collected: 10/16/24 11:00

Client ID: SB-11\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	10100		mg/kg	8.69	2.35	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.34	0.330	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.07		mg/kg	0.869	0.181	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Barium, Total	73.6		mg/kg	0.869	0.151	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.460		mg/kg	0.434	0.029	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.869	0.085	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Calcium, Total	1160		mg/kg	8.69	3.04	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Chromium, Total	19.6		mg/kg	0.869	0.083	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.19		mg/kg	1.74	0.144	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Copper, Total	20.0		mg/kg	0.869	0.224	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Iron, Total	18800		mg/kg	4.34	0.785	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Lead, Total	21.4		mg/kg	4.34	0.233	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Magnesium, Total	3530		mg/kg	8.69	1.34	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Manganese, Total	420		mg/kg	0.869	0.138	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.081	0.053	1	10/21/24 16:43	10/23/24 09:47	EPA 7471B	1,7471B	MJR
Nickel, Total	15.1		mg/kg	2.17	0.210	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Potassium, Total	2140		mg/kg	217	12.5	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.74	0.224	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.434	0.246	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Sodium, Total	258		mg/kg	174	2.74	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.74	0.274	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Vanadium, Total	25.5		mg/kg	0.869	0.176	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC
Zinc, Total	28.1		mg/kg	4.34	0.255	2	10/21/24 14:22	10/22/24 19:09	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06

Date Collected: 10/16/24 11:10

Client ID: SB-11\_3-5

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6430		mg/kg	8.19	2.21	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.10	0.311	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.46		mg/kg	0.819	0.170	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Barium, Total	65.6		mg/kg	0.819	0.142	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.379	J	mg/kg	0.410	0.027	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.819	0.080	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Calcium, Total	946		mg/kg	8.19	2.87	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Chromium, Total	14.5		mg/kg	0.819	0.079	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.97		mg/kg	1.64	0.136	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Copper, Total	19.3		mg/kg	0.819	0.211	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Iron, Total	11200		mg/kg	4.10	0.740	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Lead, Total	7.46		mg/kg	4.10	0.220	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Magnesium, Total	2630		mg/kg	8.19	1.26	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Manganese, Total	368		mg/kg	0.819	0.130	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.084	0.055	1	10/21/24 16:43	10/23/24 09:51	EPA 7471B	1,7471B	MJR
Nickel, Total	10.8		mg/kg	2.05	0.198	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Potassium, Total	1820		mg/kg	205	11.8	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.64	0.211	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.410	0.232	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Sodium, Total	145	J	mg/kg	164	2.58	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.64	0.258	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Vanadium, Total	20.2		mg/kg	0.819	0.166	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC
Zinc, Total	22.0		mg/kg	4.10	0.240	2	10/21/24 14:22	10/22/24 19:13	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07

Date Collected: 10/16/24 10:15

Client ID: SB-12\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6670		mg/kg	8.89	2.40	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Antimony, Total	4.52		mg/kg	4.44	0.338	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Arsenic, Total	6.86		mg/kg	0.889	0.185	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Barium, Total	464		mg/kg	0.889	0.155	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.363	J	mg/kg	0.444	0.029	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.249	J	mg/kg	0.889	0.087	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Calcium, Total	40800		mg/kg	8.89	3.11	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Chromium, Total	14.0		mg/kg	0.889	0.085	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.73		mg/kg	1.78	0.148	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Copper, Total	17.7		mg/kg	0.889	0.229	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Iron, Total	8690		mg/kg	4.44	0.802	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Lead, Total	493		mg/kg	4.44	0.238	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Magnesium, Total	2100		mg/kg	8.89	1.37	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Manganese, Total	201		mg/kg	0.889	0.141	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Mercury, Total	0.576		mg/kg	0.075	0.049	1	10/21/24 16:43	10/23/24 09:54	EPA 7471B	1,7471B	MJR
Nickel, Total	13.6		mg/kg	2.22	0.215	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Potassium, Total	747		mg/kg	222	12.8	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Selenium, Total	0.616	J	mg/kg	1.78	0.229	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.444	0.252	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Sodium, Total	688		mg/kg	178	2.80	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.78	0.280	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Vanadium, Total	33.6		mg/kg	0.889	0.180	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC
Zinc, Total	261		mg/kg	4.44	0.260	2	10/21/24 14:22	10/22/24 19:17	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-08

Date Collected: 10/16/24 10:25

Client ID: SB-12\_8-10

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3600		mg/kg	9.24	2.50	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.62	0.351	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Arsenic, Total	0.695	J	mg/kg	0.924	0.192	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Barium, Total	22.2		mg/kg	0.924	0.161	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.139	J	mg/kg	0.462	0.031	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.924	0.091	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Calcium, Total	1390		mg/kg	9.24	3.23	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Chromium, Total	12.9		mg/kg	0.924	0.089	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Cobalt, Total	1.24	J	mg/kg	1.85	0.153	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Copper, Total	4.51		mg/kg	0.924	0.238	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Iron, Total	3540		mg/kg	4.62	0.834	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Lead, Total	4.41	J	mg/kg	4.62	0.248	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Magnesium, Total	1040		mg/kg	9.24	1.42	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Manganese, Total	28.3		mg/kg	0.924	0.147	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.087	0.057	1	10/21/24 16:43	10/23/24 09:57	EPA 7471B	1,7471B	MJR
Nickel, Total	3.36		mg/kg	2.31	0.224	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Potassium, Total	354		mg/kg	231	13.3	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.85	0.238	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.462	0.262	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Sodium, Total	97.7	J	mg/kg	185	2.91	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.85	0.291	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Vanadium, Total	8.65		mg/kg	0.924	0.188	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC
Zinc, Total	28.4		mg/kg	4.62	0.271	2	10/21/24 14:22	10/22/24 19:21	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09

Date Collected: 10/16/24 09:35

Client ID: SB-13\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4970		mg/kg	9.00	2.43	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.50	0.342	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.14		mg/kg	0.900	0.187	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Barium, Total	81.6		mg/kg	0.900	0.156	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.247	J	mg/kg	0.450	0.030	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.900	0.088	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Calcium, Total	54000		mg/kg	9.00	3.15	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Chromium, Total	10.2		mg/kg	0.900	0.086	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.21		mg/kg	1.80	0.149	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Copper, Total	15.2		mg/kg	0.900	0.232	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Iron, Total	8060		mg/kg	4.50	0.812	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Lead, Total	285		mg/kg	4.50	0.241	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Magnesium, Total	2890		mg/kg	9.00	1.38	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Manganese, Total	167		mg/kg	0.900	0.143	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Mercury, Total	0.137		mg/kg	0.079	0.051	1	10/21/24 16:43	10/23/24 10:07	EPA 7471B	1,7471B	MJR
Nickel, Total	13.3		mg/kg	2.25	0.218	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Potassium, Total	773		mg/kg	225	13.0	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.80	0.232	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.450	0.255	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Sodium, Total	751		mg/kg	180	2.83	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.80	0.283	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Vanadium, Total	23.3		mg/kg	0.900	0.183	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC
Zinc, Total	103		mg/kg	4.50	0.264	2	10/21/24 14:22	10/22/24 19:25	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10

Date Collected: 10/16/24 09:45

Client ID: SB-13\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5360		mg/kg	10.8	2.91	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Antimony, Total	2.10	J	mg/kg	5.38	0.409	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.84		mg/kg	1.08	0.224	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Barium, Total	118		mg/kg	1.08	0.187	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.263	J	mg/kg	0.538	0.036	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Cadmium, Total	1.56		mg/kg	1.08	0.106	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Calcium, Total	63300		mg/kg	10.8	3.77	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Chromium, Total	25.6		mg/kg	1.08	0.103	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.26		mg/kg	2.15	0.179	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Copper, Total	21.0		mg/kg	1.08	0.278	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Iron, Total	9830		mg/kg	5.38	0.972	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Lead, Total	2720		mg/kg	5.38	0.288	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Magnesium, Total	4200		mg/kg	10.8	1.66	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Manganese, Total	215		mg/kg	1.08	0.171	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Mercury, Total	0.597		mg/kg	0.097	0.063	1	10/21/24 16:43	10/23/24 10:11	EPA 7471B	1,7471B	MJR
Nickel, Total	17.0		mg/kg	2.69	0.260	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Potassium, Total	777		mg/kg	269	15.5	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	2.15	0.278	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.538	0.305	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Sodium, Total	657		mg/kg	215	3.39	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	2.15	0.339	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Vanadium, Total	13.5		mg/kg	1.08	0.218	2	10/21/24 14:22	10/22/24 19:29	EPA 3050B	1,6010D	DMC
Zinc, Total	3300		mg/kg	10.8	0.631	4	10/21/24 14:22	10/23/24 12:33	EPA 3050B	1,6010D	DMC



Project Name: 515-519 W 43RD ST REDEVELPMENT

Lab Number: L2460115

Project Number: 0211280-000-001-10

Report Date: 10/24/24

## SAMPLE RESULTS

Lab ID: L2460115-11

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7890		mg/kg	8.43	2.28	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.21	0.320	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.22		mg/kg	0.843	0.175	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Barium, Total	78.4		mg/kg	0.843	0.147	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.273	J	mg/kg	0.421	0.028	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.843	0.083	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Calcium, Total	33700		mg/kg	8.43	2.95	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Chromium, Total	14.6		mg/kg	0.843	0.081	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.28		mg/kg	1.68	0.140	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Copper, Total	20.4		mg/kg	0.843	0.217	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Iron, Total	13100		mg/kg	4.21	0.761	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Lead, Total	28.3		mg/kg	4.21	0.226	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Magnesium, Total	4490		mg/kg	8.43	1.30	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Manganese, Total	126		mg/kg	0.843	0.134	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.069	0.045	1	10/21/24 16:43	10/23/24 10:14	EPA 7471B	1,7471B	MJR
Nickel, Total	10.8		mg/kg	2.11	0.204	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Potassium, Total	2780		mg/kg	211	12.1	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.68	0.217	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.421	0.238	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Sodium, Total	847		mg/kg	168	2.65	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Thallium, Total	0.340	J	mg/kg	1.68	0.265	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Vanadium, Total	28.2		mg/kg	0.843	0.171	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC
Zinc, Total	44.3		mg/kg	4.21	0.247	2	10/21/24 14:22	10/22/24 19:42	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12

Date Collected: 10/16/24 09:15

Client ID: SB-14\_6-8

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5770		mg/kg	9.35	2.52	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Antimony, Total	0.861	J	mg/kg	4.67	0.355	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.40		mg/kg	0.935	0.194	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Barium, Total	124		mg/kg	0.935	0.163	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.258	J	mg/kg	0.467	0.031	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.935	0.092	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Calcium, Total	36400		mg/kg	9.35	3.27	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Chromium, Total	9.28		mg/kg	0.935	0.090	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.28		mg/kg	1.87	0.155	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Copper, Total	87.4		mg/kg	0.935	0.241	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Iron, Total	20600		mg/kg	4.67	0.844	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Lead, Total	136		mg/kg	4.67	0.250	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Magnesium, Total	5550		mg/kg	9.35	1.44	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Manganese, Total	275		mg/kg	0.935	0.149	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Mercury, Total	0.665		mg/kg	0.095	0.062	1	10/21/24 16:43	10/23/24 10:17	EPA 7471B	1,7471B	MJR
Nickel, Total	11.0		mg/kg	2.34	0.226	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Potassium, Total	1510		mg/kg	234	13.5	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Selenium, Total	0.803	J	mg/kg	1.87	0.241	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.467	0.264	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Sodium, Total	271		mg/kg	187	2.94	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.87	0.294	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Vanadium, Total	15.4		mg/kg	0.935	0.190	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC
Zinc, Total	168		mg/kg	4.67	0.274	2	10/21/24 14:22	10/22/24 19:46	EPA 3050B	1,6010D	DMC



**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

## 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): 01-12 Batch: WG1985958-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Iron, Total	0.594	J	mg/kg	2.00	0.361	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/21/24 14:22	10/22/24 15:14	1,6010D	DMC

### 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): 01-12 Batch: WG1985960-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/21/24 16:43	10/22/24 16:46	1,7471B	MJR



**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

---

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1985958-2								
Aluminum, Total	96		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	92		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	98		-		80-120	-		
Cadmium, Total	94		-		80-120	-		
Calcium, Total	97		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	95		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	99		-		80-120	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	93		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	96		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	94		-		80-120	-		
Silver, Total	94		-		80-120	-		
Sodium, Total	101		-		80-120	-		
Thallium, Total	93		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1985958-2					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1985960-2					
Mercury, Total	94	-	80-120	-	



## Matrix Spike Analysis Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

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): 01-12    QC Batch ID: WG1985958-3    QC Sample: L2459783-01    Client ID: MS Sample												
Aluminum, Total	14200	174	14200	0	Q	-	-		75-125	-		20
Antimony, Total	ND	43.4	36.9	85		-	-		75-125	-		20
Arsenic, Total	26.6	10.4	36.1	91		-	-		75-125	-		20
Barium, Total	92.6	174	250	91		-	-		75-125	-		20
Beryllium, Total	1.20	4.34	5.49	99		-	-		75-125	-		20
Cadmium, Total	ND	4.6	3.98	86		-	-		75-125	-		20
Calcium, Total	1780	868	2650	100		-	-		75-125	-		20
Chromium, Total	36.9	17.4	55.1	105		-	-		75-125	-		20
Cobalt, Total	18.7	43.4	65.1	107		-	-		75-125	-		20
Copper, Total	2.20	21.7	25.5	107		-	-		75-125	-		20
Iron, Total	48200	86.8	46900	0	Q	-	-		75-125	-		20
Lead, Total	6.04J	46	49.2	107		-	-		75-125	-		20
Magnesium, Total	10800	868	12700	219	Q	-	-		75-125	-		20
Manganese, Total	269	43.4	361	212	Q	-	-		75-125	-		20
Nickel, Total	45.3	43.4	92.6	109		-	-		75-125	-		20
Potassium, Total	246J	868	986	114		-	-		75-125	-		20
Selenium, Total	ND	10.4	7.08	68	Q	-	-		75-125	-		20
Silver, Total	ND	4.34	3.84	88		-	-		75-125	-		20
Sodium, Total	209J	868	1080	124		-	-		75-125	-		20
Thallium, Total	ND	10.4	9.24	89		-	-		75-125	-		20
Vanadium, Total	31.7	43.4	74.2	98		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Lab Number:** L2460115

**Project Number:** 0211280-000-001-10

**Report Date:** 10/24/24

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): 01-12 QC Batch ID: WG1985958-3 QC Sample: L2459783-01 Client ID: MS Sample									
Zinc, Total	64.3	43.4	111	108	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1985960-3 QC Sample: L2459783-01 Client ID: MS Sample									
Mercury, Total	ND	1.55	1.49	96	-	-	80-120	-	20

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** 515-519 W 43RD ST REDEVELPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1985958-4 QC Sample: L2459783-01 Client ID: DUP Sample						
Aluminum, Total	14200	14300	mg/kg	1		20
Antimony, Total	ND	0.699J	mg/kg	NC		20
Arsenic, Total	26.6	27.4	mg/kg	3		20
Barium, Total	92.6	96.4	mg/kg	4		20
Beryllium, Total	1.20	1.18	mg/kg	2		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1780	1830	mg/kg	3		20
Chromium, Total	36.9	40.9	mg/kg	10		20
Cobalt, Total	18.7	24.9	mg/kg	28	Q	20
Copper, Total	2.20	3.86	mg/kg	55	Q	20
Iron, Total	48200	47800	mg/kg	1		20
Lead, Total	6.04J	6.54J	mg/kg	NC		20
Magnesium, Total	10800	12200	mg/kg	12		20
Manganese, Total	269	335	mg/kg	22	Q	20
Nickel, Total	45.3	54.3	mg/kg	18		20
Potassium, Total	246J	254J	mg/kg	NC		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	209J	213J	mg/kg	NC		20



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115

**Report Date:** 10/24/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1985958-4 QC Sample: L2459783-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	31.7	34.3	mg/kg	8	20
Zinc, Total	64.3	74.2	mg/kg	14	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1985960-4 QC Sample: L2459783-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-

**Lab Serial Dilution  
 Analysis  
 Batch Quality Control**

**Lab Number:** L2460115  
**Report Date:** 10/24/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1985958-6 QC Sample: L2459783-01 Client ID: DUP Sample						
Aluminum, Total	14200	15100	mg/kg	6		20
Barium, Total	92.6	99.9	mg/kg	8		20
Calcium, Total	1780	1800	mg/kg	1		20
Iron, Total	48200	52300	mg/kg	9		20
Magnesium, Total	10800	12800	mg/kg	19		20
Manganese, Total	269	282	mg/kg	5		20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-01

Date Collected: 10/16/24 12:00

Client ID: SB-09\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.2		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-02

Date Collected: 10/16/24 12:05

Client ID: SB-09\_3-5

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	94.0		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-03

Date Collected: 10/16/24 11:30

Client ID: SB-10\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.9		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-04

Date Collected: 10/16/24 11:35

Client ID: SB-10\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.0		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-05

Date Collected: 10/16/24 11:00

Client ID: SB-11\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.6		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-06

Date Collected: 10/16/24 11:10

Client ID: SB-11\_3-5

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.2		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-07

Date Collected: 10/16/24 10:15

Client ID: SB-12\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.8		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-08

Date Collected: 10/16/24 10:25

Client ID: SB-12\_8-10

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.6		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-09

Date Collected: 10/16/24 09:35

Client ID: SB-13\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.0		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-10

Date Collected: 10/16/24 09:45

Client ID: SB-13\_5-7

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	70.1		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-11

Date Collected: 10/16/24 09:10

Client ID: SB-14\_0-2

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.3		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



**Project Name:** 515-519 W 43RD ST REDEVELPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**SAMPLE RESULTS**

Lab ID: L2460115-12

Date Collected: 10/16/24 09:15

Client ID: SB-14\_6-8

Date Received: 10/16/24

Sample Location: 514-518 W 44TH ST

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.3		%	0.100	NA	1	-	10/18/24 09:05	121,2540G	ROI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115

**Report Date:** 10/24/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1985987-1 QC Sample: L2460115-01 Client ID: SB-09_0-2						
Solids, Total	91.2	91.2	%	0		20

**Project Name:** 515-519 W 43RD ST REDEVELPMENT

**Project Number:** 0211280-000-001-10

Serial\_No:10242417:09

**Lab Number:** L2460115

**Report Date:** 10/24/24

**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(*)
L2460115-01A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2460115-01B	Vial water preserved	B	NA		4.3	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-01C	Vial water preserved	B	NA		4.3	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-01D	Plastic 120ml unpreserved	B	NA		4.3	Y	Absent		TS(7)
L2460115-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2460115-01F	Glass 120ml/4oz unpreserved	B	NA		4.3	Y	Absent		NYTCL-8270(14)
L2460115-02A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2460115-02B	Vial water preserved	B	NA		4.3	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-02C	Vial water preserved	B	NA		4.3	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-02D	Plastic 120ml unpreserved	B	NA		4.3	Y	Absent		TS(7)
L2460115-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2460115-02F	Glass 120ml/4oz unpreserved	B	NA		4.3	Y	Absent		NYTCL-8270(14)
L2460115-03A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-03B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-03C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-03D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT

**Project Number:** 0211280-000-001-10

**Serial\_No:** 10242417:09

**Lab Number:** L2460115

**Report Date:** 10/24/24

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2460115-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2460115-03F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-04A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-04B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-04C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-04D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2460115-04F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-05A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-05B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-05C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-05D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2460115-05F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-06A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-06B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-06C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-06D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)

**Project Name:** 515-519 W 43RD ST REDEVELPMENT

**Project Number:** 0211280-000-001-10

Serial\_No:10242417:09

**Lab Number:** L2460115

**Report Date:** 10/24/24

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2460115-06F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-07A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-07B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-07C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-07D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2460115-07F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-08A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-08B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-08C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-08D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2460115-08F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-09A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-09B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-09C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-09D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2460115-09F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-10A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2460115-10B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260H(14),NYTCL-8260HLW(14)

\*Values in parentheses indicate holding time in days



**Project Name:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2460115-10C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2460115-10D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2460115-10F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-11A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-11B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-11C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-11D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2460115-11F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)
L2460115-12A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2460115-12B	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-12C	Vial water preserved	A	NA		3.8	Y	Absent	17-OCT-24 10:01	NYTCL-8260HLW(14)
L2460115-12D	Plastic 120ml unpreserved	A	NA		3.8	Y	Absent		TS(7)
L2460115-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2460115-12F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14)

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

## 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:** 515-519 W 43RD ST REDEVELOPMENT**Lab Number:** L2460115**Project Number:** 0211280-000-001-10**Report Date:** 10/24/24**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.

**Chlordane:** 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.)

**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'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**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.

**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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 515-519 W 43RD ST REDEVELOPMENT  
**Project Number:** 0211280-000-001-10

**Lab Number:** L2460115  
**Report Date:** 10/24/24

## 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 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

### Mansfield Facility

**SM 2540D:** TSS.

**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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases**

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 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).

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, 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.

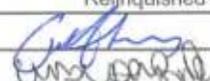
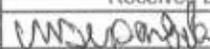
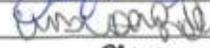
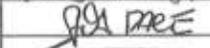
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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



 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	<b>Page</b> 2 of 2	<b>Date Rec'd in Lab</b> 10/17/24	<b>ALPHA Job #</b> 22460115																	
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: 515-519 West 43rd St Redevelopment Site Project Location: 514-518 W 44th St Project # 0211286-000-001-10 (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other																
<b>Client Information</b> Client: H&A of New York Eng Address: 213 W 35th St New York, NY Phone: Fax: Email: nmooney@habyaddress.com		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Billing Information</b> <input type="checkbox"/> Same as Client Info PO #																	
<b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)																	
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: * HA on bottleworse ID's should not be included		<b>ANALYSIS</b>		Total Bottles																	
Please specify Metals or TAL.		VOCs SVOCs Total Metals																			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials																
60115-11	SB-14-0-2	10/16/24	9:10	S	O.H.	X	X	X													
12	SB-14-6-8	↓	9:15	↓	↓	X	X	X													
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V A A		Preservative F A A		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.)											
Relinquished By:		Date/Time		Received By:		Date/Time															
		10/16/24 12:35				10/16/24 12:35															
		10/16/24 1915				10/16/24 1830															
		10/16/24				10/16/24 2140															
		10/17/24 0135				10/17/24 1:35															