



## ANALYTICAL REPORT

Lab Number:	L2307824
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	27-45 NORTH MAIN STREET
Project Number:	2745NM
Report Date:	02/28/23

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

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**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

<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>
L2307824-01	SB-9	SOIL	PORT CHESTER, NY	02/14/23 10:00	02/14/23
L2307824-02	SB-11	SOIL	PORT CHESTER, NY	02/14/23 10:30	02/14/23
L2307824-03	SB-10	SOIL	PORT CHESTER, NY	02/14/23 10:50	02/14/23
L2307824-04	SB-8	SOIL	PORT CHESTER, NY	02/14/23 11:00	02/14/23
L2307824-05	SB-7	SOIL	PORT CHESTER, NY	02/14/23 11:15	02/14/23

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
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### 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.

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**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

### Case Narrative (continued)

#### Report Submission

February 28, 2023: This final report includes the results of all requested analyses.

February 16, 2023: 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

The analyses performed were specified by the client.

#### Total Metals

The WG1744603-3 MS recoveries for copper (0%), lead (0%) and zinc (0%), performed on L2307824-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1744603-3 MS recoveries, performed on L2307824-01, are outside the acceptance criteria for barium (140%), chromium (62%) and nickel (67%). A post digestion spike was performed and was within acceptance criteria.

The WG1744603-4 Laboratory Duplicate RPDs for barium (57%), chromium (48%), copper (38%) and lead (39%), performed on L2307824-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

#### Cyanide, Total

The WG1744535-2 LCS recovery for cyanide, total (59%), associated with L2307824-01 through -05, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (37%).

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: 02/28/23

# ORGANICS

# SEMIVOLATILES

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-01  
 Client ID: SB-9  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:00  
 Date Received: 02/14/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 02/15/23 11:26  
 Analyst: MG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 02/15/23 03:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	28	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	53	J	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	1100		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	62	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	360		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	220		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-01  
 Client ID: SB-9  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:00  
 Date Received: 02/14/23  
 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	34	J	ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	330		ug/kg	110	21.	1
Benzo(a)pyrene	460		ug/kg	150	45.	1
Benzo(b)fluoranthene	620		ug/kg	110	31.	1
Benzo(k)fluoranthene	200		ug/kg	110	30.	1
Chrysene	510		ug/kg	110	19.	1
Acenaphthylene	80	J	ug/kg	150	28.	1
Anthracene	91	J	ug/kg	110	36.	1
Benzo(ghi)perylene	380		ug/kg	150	22.	1
Fluorene	74	J	ug/kg	180	18.	1
Phenanthrene	1100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	77	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	150	26.	1
Pyrene	1100		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	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	56	J	ug/kg	180	17.	1
2-Methylnaphthalene	59	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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

**SAMPLE RESULTS**

Lab ID: L2307824-01  
 Client ID: SB-9  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:00  
 Date Received: 02/14/23  
 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	77	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	59		18-120

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-02  
 Client ID: SB-11  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:30  
 Date Received: 02/14/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 02/15/23 11:49  
 Analyst: MG  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 02/15/23 03:14

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	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	290		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: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

## SAMPLE RESULTS

Lab ID: L2307824-02  
 Client ID: SB-11  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:30  
 Date Received: 02/14/23  
 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	39.	1
Benzo(a)anthracene	140		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	65	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	100	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	140		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	26.	1
Pyrene	250		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	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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

**SAMPLE RESULTS**

Lab ID: L2307824-02  
 Client ID: SB-11  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:30  
 Date Received: 02/14/23  
 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	18	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	36		18-120

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-03  
 Client ID: SB-10  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:50  
 Date Received: 02/14/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 02/15/23 13:23  
 Analyst: MG  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 02/15/23 03:14

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	120	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	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	150		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	100	J	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	25000	E	ug/kg	190	66.	1
Butyl benzyl phthalate	2600		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: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

## SAMPLE RESULTS

Lab ID: L2307824-03  
 Client ID: SB-10  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:50  
 Date Received: 02/14/23  
 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	87	J	ug/kg	120	22.	1
Benzo(a)pyrene	100	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	130		ug/kg	120	32.	1
Benzo(k)fluoranthene	44	J	ug/kg	120	31.	1
Chrysene	100	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	79	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	110	J	ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	72	J	ug/kg	150	27.	1
Pyrene	140		ug/kg	120	19.	1
Biphenyl	ND		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	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	72	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	47	J	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	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	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	ND		ug/kg	280	30.	1

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

**SAMPLE RESULTS**

Lab ID: L2307824-03  
 Client ID: SB-10  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 10:50  
 Date Received: 02/14/23  
 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	49		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	41		18-120

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-03 D

Date Collected: 02/14/23 10:50

Client ID: SB-10

Date Received: 02/14/23

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270E

Extraction Date: 02/15/23 03:14

Analytical Date: 02/16/23 14:20

Analyst: MG

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-ethylhexyl)phthalate	32000		ug/kg	1900	660	10



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-04  
 Client ID: SB-8  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:00  
 Date Received: 02/14/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 02/15/23 12:13  
 Analyst: MG  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 02/15/23 03:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	60	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	92	J	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	2500		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	230		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:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-04  
 Client ID: SB-8  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:00  
 Date Received: 02/14/23  
 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	730		ug/kg	120	22.	1
Benzo(a)pyrene	1100		ug/kg	150	47.	1
Benzo(b)fluoranthene	1600		ug/kg	120	32.	1
Benzo(k)fluoranthene	640		ug/kg	120	31.	1
Chrysene	1200		ug/kg	120	20.	1
Acenaphthylene	320		ug/kg	150	30.	1
Anthracene	220		ug/kg	120	37.	1
Benzo(ghi)perylene	900		ug/kg	150	22.	1
Fluorene	99	J	ug/kg	190	19.	1
Phenanthrene	1700		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	200		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	27.	1
Pyrene	1800		ug/kg	120	19.	1
Biphenyl	38	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	130	J	ug/kg	190	18.	1
2-Methylnaphthalene	110	J	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	ND		ug/kg	280	30.	1

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

**SAMPLE RESULTS**

Lab ID: L2307824-04  
 Client ID: SB-8  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:00  
 Date Received: 02/14/23  
 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	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	290		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	66		18-120

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-05  
 Client ID: SB-7  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:15  
 Date Received: 02/14/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 02/15/23 13:46  
 Analyst: MG  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 02/15/23 03:14

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	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	100		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	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	100	J	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: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

## SAMPLE RESULTS

Lab ID: L2307824-05  
 Client ID: SB-7  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:15  
 Date Received: 02/14/23  
 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	53	J	ug/kg	100	20.	1
Benzo(a)pyrene	66	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	80	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	56	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	44	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	51	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	50	J	ug/kg	140	25.	1
Pyrene	90	J	ug/kg	100	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	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	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	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	250	28.	1

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

**SAMPLE RESULTS**

Lab ID: L2307824-05  
 Client ID: SB-7  
 Sample Location: PORT CHESTER, NY

Date Collected: 02/14/23 11:15  
 Date Received: 02/14/23  
 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	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	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	45		18-120

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

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

Analytical Method: 1,8270E  
Analytical Date: 02/15/23 08:19  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 02/15/23 00:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1744524-1					
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	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	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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

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

Analytical Method: 1,8270E  
Analytical Date: 02/15/23 08:19  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 02/15/23 00:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1744524-1					
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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

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

Analytical Method: 1,8270E  
Analytical Date: 02/15/23 08:19  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 02/15/23 00:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1744524-1					
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	78		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	82		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

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: WG1744524-2 WG1744524-3								
Acenaphthene	63		63		31-137	0		50
1,2,4-Trichlorobenzene	64		65		38-107	2		50
Hexachlorobenzene	62		62		40-140	0		50
Bis(2-chloroethyl)ether	53		54		40-140	2		50
2-Chloronaphthalene	66		66		40-140	0		50
1,2-Dichlorobenzene	62		65		40-140	5		50
1,3-Dichlorobenzene	62		64		40-140	3		50
1,4-Dichlorobenzene	62		64		28-104	3		50
3,3'-Dichlorobenzidine	42		43		40-140	2		50
2,4-Dinitrotoluene	67		67		40-132	0		50
2,6-Dinitrotoluene	64		64		40-140	0		50
Fluoranthene	68		65		40-140	5		50
4-Chlorophenyl phenyl ether	64		66		40-140	3		50
4-Bromophenyl phenyl ether	67		64		40-140	5		50
Bis(2-chloroisopropyl)ether	41		42		40-140	2		50
Bis(2-chloroethoxy)methane	54		55		40-117	2		50
Hexachlorobutadiene	58		59		40-140	2		50
Hexachlorocyclopentadiene	64		65		40-140	2		50
Hexachloroethane	52		53		40-140	2		50
Isophorone	53		55		40-140	4		50
Naphthalene	63		64		40-140	2		50
Nitrobenzene	53		57		40-140	7		50
NDPA/DPA	68		68		36-157	0		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

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: WG1744524-2 WG1744524-3								
n-Nitrosodi-n-propylamine	51		54		32-121	6		50
Bis(2-ethylhexyl)phthalate	60		60		40-140	0		50
Butyl benzyl phthalate	65		61		40-140	6		50
Di-n-butylphthalate	62		61		40-140	2		50
Di-n-octylphthalate	63		65		40-140	3		50
Diethyl phthalate	60		61		40-140	2		50
Dimethyl phthalate	62		63		40-140	2		50
Benzo(a)anthracene	64		65		40-140	2		50
Benzo(a)pyrene	70		72		40-140	3		50
Benzo(b)fluoranthene	67		68		40-140	1		50
Benzo(k)fluoranthene	66		68		40-140	3		50
Chrysene	62		63		40-140	2		50
Acenaphthylene	68		69		40-140	1		50
Anthracene	66		65		40-140	2		50
Benzo(ghi)perylene	66		67		40-140	2		50
Fluorene	67		67		40-140	0		50
Phenanthrene	64		65		40-140	2		50
Dibenzo(a,h)anthracene	67		70		40-140	4		50
Indeno(1,2,3-cd)pyrene	75		79		40-140	5		50
Pyrene	65		65		35-142	0		50
Biphenyl	68		69		37-127	1		50
4-Chloroaniline	44		39	Q	40-140	12		50
2-Nitroaniline	69		68		47-134	1		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

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: WG1744524-2 WG1744524-3								
3-Nitroaniline	45		47		26-129	4		50
4-Nitroaniline	65		65		41-125	0		50
Dibenzofuran	66		65		40-140	2		50
2-Methylnaphthalene	64		65		40-140	2		50
1,2,4,5-Tetrachlorobenzene	66		68		40-117	3		50
Acetophenone	66		68		14-144	3		50
2,4,6-Trichlorophenol	69		68		30-130	1		50
p-Chloro-m-cresol	62		65		26-103	5		50
2-Chlorophenol	65		67		25-102	3		50
2,4-Dichlorophenol	66		71		30-130	7		50
2,4-Dimethylphenol	58		60		30-130	3		50
2-Nitrophenol	68		71		30-130	4		50
4-Nitrophenol	62		61		11-114	2		50
2,4-Dinitrophenol	65		66		4-130	2		50
4,6-Dinitro-o-cresol	68		66		10-130	3		50
Pentachlorophenol	61		62		17-109	2		50
Phenol	65		68		26-90	5		50
2-Methylphenol	65		67		30-130.	3		50
3-Methylphenol/4-Methylphenol	66		70		30-130	6		50
2,4,5-Trichlorophenol	70		72		30-130	3		50
Benzoic Acid	30		27		10-110	11		50
Benzyl Alcohol	63		62		40-140	2		50
Carbazole	67		66		54-128	2		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

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: WG1744524-2 WG1744524-3								
1,4-Dioxane	38	Q	44		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		67		25-120
Phenol-d6	66		68		10-120
Nitrobenzene-d5	55		58		23-120
2-Fluorobiphenyl	67		68		30-120
2,4,6-Tribromophenol	65		64		10-136
4-Terphenyl-d14	69		66		18-120

## METALS

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-01

Date Collected: 02/14/23 10:00

Client ID: SB-9

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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>											
Arsenic, Total	28.2		mg/kg	0.430	0.089	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Barium, Total	176		mg/kg	0.430	0.075	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.205	J	mg/kg	0.215	0.014	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Cadmium, Total	1.81		mg/kg	0.430	0.042	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Chromium, Total	27.5		mg/kg	0.430	0.041	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Copper, Total	257		mg/kg	0.430	0.111	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Lead, Total	1570		mg/kg	2.15	0.115	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Manganese, Total	336		mg/kg	0.430	0.068	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Mercury, Total	5.02		mg/kg	0.728	0.475	10	02/15/23 08:35	02/15/23 13:05	EPA 7471B	1,7471B	DMB
Nickel, Total	24.5		mg/kg	1.07	0.104	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Selenium, Total	4.36		mg/kg	0.859	0.111	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Silver, Total	0.701		mg/kg	0.215	0.122	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW
Zinc, Total	708		mg/kg	2.15	0.126	1	02/15/23 07:15	02/15/23 10:46	EPA 3050B	1,6010D	EGW



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-02

Date Collected: 02/14/23 10:30

Client ID: SB-11

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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>											
Arsenic, Total	5.08		mg/kg	0.440	0.092	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Barium, Total	53.0		mg/kg	0.440	0.077	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.397		mg/kg	0.220	0.015	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.311	J	mg/kg	0.440	0.043	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Chromium, Total	18.3		mg/kg	0.440	0.042	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Copper, Total	20.1		mg/kg	0.440	0.114	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Lead, Total	79.6		mg/kg	2.20	0.118	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Manganese, Total	377		mg/kg	0.440	0.070	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Mercury, Total	0.109		mg/kg	0.072	0.047	1	02/15/23 08:35	02/15/23 10:46	EPA 7471B	1,7471B	DMB
Nickel, Total	9.02		mg/kg	1.10	0.106	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Selenium, Total	0.311	J	mg/kg	0.881	0.114	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.220	0.125	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW
Zinc, Total	122		mg/kg	2.20	0.129	1	02/15/23 07:15	02/15/23 10:38	EPA 3050B	1,6010D	EGW





**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-03

Date Collected: 02/14/23 10:50

Client ID: SB-10

Date Received: 02/14/23

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	29.3		mg/kg	0.451	0.094	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Barium, Total	90.6		mg/kg	0.451	0.079	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.311		mg/kg	0.226	0.015	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.930		mg/kg	0.451	0.044	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Chromium, Total	14.7		mg/kg	0.451	0.043	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Copper, Total	43.7		mg/kg	0.451	0.116	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Lead, Total	135		mg/kg	2.26	0.121	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Manganese, Total	130		mg/kg	0.451	0.072	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Mercury, Total	0.500		mg/kg	0.073	0.048	1	02/15/23 08:35	02/15/23 10:49	EPA 7471B	1,7471B	DMB
Nickel, Total	11.3		mg/kg	1.13	0.109	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Selenium, Total	0.880	J	mg/kg	0.902	0.116	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Silver, Total	0.614		mg/kg	0.226	0.128	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW
Zinc, Total	329		mg/kg	2.26	0.132	1	02/15/23 07:15	02/15/23 10:41	EPA 3050B	1,6010D	EGW



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-04

Date Collected: 02/14/23 11:00

Client ID: SB-8

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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>											
Arsenic, Total	8.92		mg/kg	0.456	0.095	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Barium, Total	189		mg/kg	0.456	0.079	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.501		mg/kg	0.228	0.015	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.350	J	mg/kg	0.456	0.045	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Chromium, Total	23.6		mg/kg	0.456	0.044	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Copper, Total	143		mg/kg	0.456	0.118	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Lead, Total	622		mg/kg	2.28	0.122	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Manganese, Total	212		mg/kg	0.456	0.073	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Mercury, Total	1.14		mg/kg	0.075	0.049	1	02/15/23 08:35	02/15/23 10:52	EPA 7471B	1,7471B	DMB
Nickel, Total	15.7		mg/kg	1.14	0.110	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Selenium, Total	1.21		mg/kg	0.912	0.118	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Silver, Total	0.182	J	mg/kg	0.228	0.129	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW
Zinc, Total	350		mg/kg	2.28	0.134	1	02/15/23 07:15	02/15/23 11:49	EPA 3050B	1,6010D	EGW



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-05

Date Collected: 02/14/23 11:15

Client ID: SB-7

Date Received: 02/14/23

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	7.88		mg/kg	0.416	0.087	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Barium, Total	50.2		mg/kg	0.416	0.072	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.129	J	mg/kg	0.208	0.014	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.115	J	mg/kg	0.416	0.041	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Chromium, Total	11.6		mg/kg	0.416	0.040	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Copper, Total	17.6		mg/kg	0.416	0.107	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Lead, Total	31.3		mg/kg	2.08	0.111	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Manganese, Total	271		mg/kg	0.416	0.066	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.070	0.045	1	02/15/23 08:35	02/15/23 10:56	EPA 7471B	1,7471B	DMB
Nickel, Total	7.72		mg/kg	1.04	0.101	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Selenium, Total	0.126	J	mg/kg	0.832	0.107	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.208	0.118	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW
Zinc, Total	41.0		mg/kg	2.08	0.122	1	02/15/23 07:15	02/15/23 11:52	EPA 3050B	1,6010D	EGW



**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

## 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: WG1744601-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	02/15/23 08:35	02/15/23 10:07	1,7471B	DMB

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1744603-1									
Arsenic, Total	ND	mg/kg	0.400	0.083	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Barium, Total	ND	mg/kg	0.400	0.070	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Beryllium, Total	ND	mg/kg	0.200	0.013	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Cadmium, Total	ND	mg/kg	0.400	0.039	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Chromium, Total	ND	mg/kg	0.400	0.038	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Copper, Total	ND	mg/kg	0.400	0.103	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Lead, Total	ND	mg/kg	2.00	0.107	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Manganese, Total	ND	mg/kg	0.400	0.064	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Nickel, Total	ND	mg/kg	1.00	0.097	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Selenium, Total	ND	mg/kg	0.800	0.103	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Silver, Total	ND	mg/kg	0.200	0.113	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW
Zinc, Total	ND	mg/kg	2.00	0.117	1	02/15/23 07:15	02/15/23 10:28	1,6010D	EGW

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 27-45 NORTH MAIN STREET

**Lab Number:** L2307824

**Project Number:** 2745NM

**Report Date:** 02/28/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1744601-2 SRM Lot Number: D116-540								
Mercury, Total	103		-		58-142	-		
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1744603-2 SRM Lot Number: D116-540								
Arsenic, Total	99		-		82-119	-		
Barium, Total	97		-		82-118	-		
Beryllium, Total	105		-		82-118	-		
Cadmium, Total	105		-		82-118	-		
Chromium, Total	98		-		81-118	-		
Copper, Total	92		-		83-117	-		
Lead, Total	94		-		83-117	-		
Manganese, Total	96		-		82-118	-		
Nickel, Total	102		-		82-118	-		
Selenium, Total	106		-		78-122	-		
Silver, Total	97		-		79-121	-		
Zinc, Total	98		-		80-120	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 27-45 NORTH MAIN STREET

**Lab Number:** L2307824

**Project Number:** 2745NM

**Report Date:** 02/28/23

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: WG1744601-3    QC Sample: L2307256-01    Client ID: MS Sample												
Mercury, Total	4.24	1.49	4.89	44	Q	-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-05    QC Batch ID: WG1744603-3    QC Sample: L2307824-01    Client ID: SB-9												
Arsenic, Total	28.2	10.5	40.2	114		-	-		75-125	-		20
Barium, Total	176	176	421	140	Q	-	-		75-125	-		20
Beryllium, Total	0.205J	4.39	4.57	104		-	-		75-125	-		20
Cadmium, Total	1.81	4.65	5.66	83		-	-		75-125	-		20
Chromium, Total	27.5	17.6	38.3	62	Q	-	-		75-125	-		20
Copper, Total	257	21.9	163	0	Q	-	-		75-125	-		20
Lead, Total	1570	46.5	1040	0	Q	-	-		75-125	-		20
Manganese, Total	336	43.9	369	75		-	-		75-125	-		20
Nickel, Total	24.5	43.9	53.8	67	Q	-	-		75-125	-		20
Selenium, Total	4.36	10.5	15.6	107		-	-		75-125	-		20
Silver, Total	0.701	4.39	4.74	92		-	-		75-125	-		20
Zinc, Total	708	43.9	569	0	Q	-	-		75-125	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 27-45 NORTH MAIN STREET

Project Number: 2745NM

Lab Number: L2307824

Report Date: 02/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1744601-4 QC Sample: L2307256-01 Client ID: DUP Sample						
Mercury, Total	4.24	3.65	mg/kg	15		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1744603-4 QC Sample: L2307824-01 Client ID: SB-9						
Arsenic, Total	28.2	31.1	mg/kg	10		20
Barium, Total	176	317	mg/kg	57	Q	20
Beryllium, Total	0.205J	0.228	mg/kg	NC		20
Cadmium, Total	1.81	1.75	mg/kg	3		20
Chromium, Total	27.5	44.8	mg/kg	48	Q	20
Copper, Total	257	175	mg/kg	38	Q	20
Lead, Total	1570	1060	mg/kg	39	Q	20
Manganese, Total	336	301	mg/kg	11		20
Nickel, Total	24.5	24.3	mg/kg	1		20
Selenium, Total	4.36	3.95	mg/kg	10		20
Silver, Total	0.701	0.767	mg/kg	9		20
Zinc, Total	708	638	mg/kg	10		20

Project Name: 27-45 NORTH MAIN STREET

Project Number: 2745NM

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2307824

Report Date: 02/28/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1744603-6 QC Sample: L2307824-01 Client ID: SB-9						
Arsenic, Total	28.2	23.3	mg/kg	17		20
Barium, Total	176	179	mg/kg	2		20
Chromium, Total	27.5	27.9	mg/kg	1		20
Copper, Total	257	250	mg/kg	3		20
Lead, Total	1570	1480	mg/kg	6		20
Manganese, Total	336	358	mg/kg	7		20
Zinc, Total	708	805	mg/kg	14		20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-01

Date Collected: 02/14/23 10:00

Client ID: SB-9

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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	89.4		%	0.100	NA	1	-	02/15/23 07:46	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/15/23 06:40	02/15/23 11:01	1,9010C/9012B	JER



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-02

Date Collected: 02/14/23 10:30

Client ID: SB-11

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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	88.0		%	0.100	NA	1	-	02/15/23 07:46	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	02/15/23 06:40	02/15/23 11:02	1,9010C/9012B	JER



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-03

Date Collected: 02/14/23 10:50

Client ID: SB-10

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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	85.8		%	0.100	NA	1	-	02/15/23 07:46	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	02/15/23 06:40	02/15/23 11:04	1,9010C/9012B	JER



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-04

Date Collected: 02/14/23 11:00

Client ID: SB-8

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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	85.0		%	0.100	NA	1	-	02/15/23 07:46	121,2540G	ROI
Cyanide, Total	0.92	J	mg/kg	1.1	0.24	1	02/15/23 06:40	02/15/23 11:05	1,9010C/9012B	JER



**Project Name:** 27-45 NORTH MAIN STREET**Lab Number:** L2307824**Project Number:** 2745NM**Report Date:** 02/28/23**SAMPLE RESULTS**

Lab ID: L2307824-05

Date Collected: 02/14/23 11:15

Client ID: SB-7

Date Received: 02/14/23

Sample Location: PORT CHESTER, 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	91.5		%	0.100	NA	1	-	02/15/23 07:46	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/15/23 06:40	02/15/23 11:06	1,9010C/9012B	JER



Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

**Method Blank Analysis**  
Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1744535-1									
Cyanide, Total	ND	mg/kg	0.89	0.19	1	02/15/23 06:40	02/15/23 10:46	1,9010C/9012B	JER

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 27-45 NORTH MAIN STREET

**Lab Number:** L2307824

**Project Number:** 2745NM

**Report Date:** 02/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1744535-2 WG1744535-3								
Cyanide, Total	59	Q	86		80-120	37	Q	35



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 27-45 NORTH MAIN STREET

**Lab Number:** L2307824

**Project Number:** 2745NM

**Report Date:** 02/28/23

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>MSD Qual</b>	<b>Recovery Limits</b>	<b>RPD Qual</b>	<b>RPD Limits</b>
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1744535-4 WG1744535-5 QC Sample: L2307477-25 Client ID: MS Sample											
Cyanide, Total	ND	10	10	96		11	100		75-125	10	35

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 27-45 NORTH MAIN STREET

**Project Number:** 2745NM

**Lab Number:** L2307824

**Report Date:** 02/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1744599-1 QC Sample: L2307824-01 Client ID: SB-9						
Solids, Total	89.4	88.6	%	1		20

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

Serial\_No:02282308:44  
**Lab Number:** L2307824  
**Report Date:** 02/28/23

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent

**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>
L2307824-01A	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-01B	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-01C	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-01D	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2307824-01E	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2307824-01F	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-01G	Glass 250ml/8oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-01H	Glass 500ml/16oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-01X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-01Y	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-01Z	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-02A	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-02B	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-02C	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-02D	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2307824-02E	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2307824-02F	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)

\*Values in parentheses indicate holding time in days



Project Name: 27-45 NORTH MAIN STREET

Lab Number: L2307824

Project Number: 2745NM

Report Date: 02/28/23

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2307824-02G	Glass 250ml/8oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-02H	Glass 500ml/16oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-02X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-02Y	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-02Z	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-03A	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-03B	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-03C	5 gram Encore Sampler	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-03D	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2307824-03E	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2307824-03F	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-03G	Glass 250ml/8oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-03H	Glass 500ml/16oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HOLD-8081(14),HOLD-8082(14)
L2307824-03X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		HOLD-8260HLW(14)
L2307824-03Y	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-03Z	Vial Water preserved split	B	NA		2.3	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-04A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-04B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-04C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-04D	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2307824-04E	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2307824-04F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)
L2307824-04G	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)

**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

Serial\_No:02282308:44  
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**Report Date:** 02/28/23

**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>
L2307824-04H	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)
L2307824-04X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-04Y	Vial Water preserved split	A	NA		2.4	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-04Z	Vial Water preserved split	A	NA		2.4	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-05A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-05B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-05C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-05D	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2307824-05E	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2307824-05F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)
L2307824-05G	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)
L2307824-05H	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HOLD-8081(14),HOLD-8082(14)
L2307824-05X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		HOLD-8260HLW(14)
L2307824-05Y	Vial Water preserved split	A	NA		2.4	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)
L2307824-05Z	Vial Water preserved split	A	NA		2.4	Y	Absent	15-FEB-23 07:54	HOLD-8260HLW(14)

\*Values in parentheses indicate holding time in days



**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

## 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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

### 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:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration 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.)

Report Format: DU Report with 'J' Qualifiers





**Project Name:** 27-45 NORTH MAIN STREET  
**Project Number:** 2745NM

**Lab Number:** L2307824  
**Report Date:** 02/28/23

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

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

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

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

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

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

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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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	Page 1 of 1	Date Rec'd in Lab <b>2/14/23</b>	ALPHA Job # <b>L2307824</b>							
	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	<b>Project Information</b> Project Name: <b>27-45 North Main street</b> Project Location: <b>Port Chester, NY</b> Project # <b>2745NM</b> (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: <b>Tenen</b> Address: Phone: Fax: Email: <b>mcarrill</b>		<b>Regulatory Requirement</b> <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		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #							
Turn-Around Time Standard <input type="checkbox"/> Due Date: Rush (only if pre approved) <input checked="" type="checkbox"/> # of Days: <b>2 day</b>		<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: <b>Please rush swcs &amp; metals; hold all other analyces.</b> Please specify Metals or TAL.		<b>ANALYSIS</b>		Total Bottle							
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time		Sample Matrix	Sampler's Initials	VOLs	SVOLs	Part metals / PCBs	Part 375 Metals	Sample Specific Comments
07824-01	SB-9	02/14/23	1000	S	HL	H	X	H	X		
02	SB-11	↓	1030	↓	↓	↓	↓	↓	↓		
03	SB-10	↓	1050	↓	↓	↓	↓	↓	↓		
04	SB-8	↓	1100	↓	↓	↓	↓	↓	↓		
05	SB-7	↓	1115	↓	↓	↓	↓	↓	↓		
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: <b>35/16 4A</b> → Preservative: →		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 IS TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
Relinquished By: <b>Paul Maggella</b>		Date/Time: <b>2/14/23 13:50</b>		Received By: <b>Paul Maggella</b>		Date/Time: <b>2/14/23 13:15</b>		THIS COC, THE CLIENT IS TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			