December 13, 2024

Jeremy Giordano
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 3
21 South Putt Corners Road
New Paltz, New York 12561

Re: Summary of Vacuum Enhanced Recovery at MW-3B
Former Chromalloy Facility
169 Western Highway, West Nyack, New York
Spill No. 2309707

Dear Mr. Giordano

On behalf of PG-OE Western Highway Owner, LLC (Owner), Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Vacuum Enhanced Recovery (VER) Summary Report (Report) for the Former Chromalloy Facility located at 169 Western Highway, West Nyack, New York (Site). The Site is currently being monitored as New York State Department of Environmental Conservation (NYSDEC) Site No. 344039. During routine groundwater monitoring completed by TRC Solutions, LLC of Clifton Park, NY on March 13, 2024, light non-aqueous phase liquid (LNAPL) was detected in monitoring well MW-3B at a thickness of 0.35 ft. Historically, LNAPL has not been observed in MW-3B. The NYSDEC was notified and Spill No 2309707 was assigned.

Scope of Work

Roux mobilized to the Site on August 20, 2024 and collected LNAPL and groundwater waste characterization samples from MW-3B (Figure 1). The samples were sent to Pace Alpha Analytical in New York (Pace) and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL polychlorinated biphenyls (PCBs) and Total Analyte List (TAL) metals. The results are summarized in Tables 1, 4 and 5 and the laboratory reports provided in Attachment 1.

Roux's Subcontractor, Brookside Environmental, Inc. of Copiague, NY (Brookside), mobilized a vacuum truck to the Site on September 25, 2024. Prior to vacuum extraction, Roux measured approximately 0.01 ft of LNAPL in MW-3B. A total of 857 gallons of LNAPL/water mixture was extracted from MW-3B and disposed offsite to Advanced Waste and Water Technology of Farmingdale, NY. The non-hazardous waste manifest is provided in Attachment 2. Following extraction, LNAPL was not detected in MW-3B. While onsite, no signs of spill or release were observed by Roux within the area surrounding the monitoring well.

Roux and Brookside remobilized to the Site on November 1, 2024. Prior to vacuum extraction, Roux did not observe measurable LNAPL in MW-3B. A total of 510 gallons of LNAPL/water mixture was extracted from MW-3B using a vacuum truck and disposed offsite to Advanced Waste and Water Technology of Farmingdale, NY. The non-hazardous waste manifest is provided in Attachment 2. Following extraction, LNAPL was not detected in MW-3B. Roux collected a groundwater sample from MW-3B on November 1, 2024. The sample was sent to Pace and analyzed for TCL VOCs, TCL PCBs and TAL metals. The results are summarized in Tables 1-3 and the laboratory reports are provided in Attachment 1.

Results and Recommendations

A total of 1,367 gallons of LNAPL/water mixture was removed from MW-3B during the VER events. Following each of the VER events, LNAPL was not detected in the monitoring well. The groundwater

4744.0001Y102/LR

sample results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) in Tables 1-3. The sample results following the second VER event indicate that only one VOC was detected above the NYSDEC AWQSGVs. The one exceedance was trichloroethylene, a compound historically present at the Site prior to assignment of Spill No 2309707. No petroleum related compounds were detected in the groundwater sample collected following the second VER event.

Based on the observations and analytical results following the VER events described above, the VER events were successful in addressing the petroleum contamination at the Site related to Spill No 2309707 and no further action is required. Roux requests closure of Spill No 2309707.

Should you have any questions or require further information, do not hesitate to contact the undersigned by telephone at (631) 232-2600 or by email at melmendorf@rouxinc.com.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Dana M. Hignell

Dana Hignell
Senior Engineer II

Mark Elmendorf
Principal Scientist

Attachments

TABLES

Table 1. Summary of Volatile Organic Compounds in Waste Water, 169 Western Highway, West Nyack, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: MW-3B Sample Date: 08/20/2024 Normal Sample or Field Duplicate: N	Sample Designation: MW-3B Sample Date: 11/01/2024 Normal Sample or Field Duplicate: N
1,1,1,2-Tetrachloroethane	5	UG/L	250 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	250 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	50 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	150 U	1.5 U
1,1-Dichloroethane	5	UG/L	250 U	2.5 U
1,1-Dichloroethene	5	UG/L	50 U	0.5 U
1,1-Dichloropropene	5	UG/L	250 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	250 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	250 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	**150 J**	2 U
1,2,4-Trichlorobenzene	5	UG/L	250 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	**3700**	1.1 J
1,2-Dibromo-3-Chloropropane	0.04	UG/L	250 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	200 U	2 U
1,2-Dichlorobenzene	3	UG/L	250 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	50 U	0.5 U
1,2-Dichloropropane	1	UG/L	100 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	**5**	UG/L	**960**	2.5 U
1,3-Dichlorobenzene	3	UG/L	250 U	2.5 U
1,3-Dichloropropane	5	UG/L	250 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	250 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	390	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	25000 U	250 U
2,2-Dichloropropane	5	UG/L	250 U	2.5 U
2-Chlorotoluene	5	UG/L	250 U	2.5 U
2-Hexanone	50	UG/L	500 U	5 U
4-Chlorotoluene	5	UG/L	250 U	2.5 U
4-Ethyltoluene	--	UG/L	3000	1 J
Acetone	50	UG/L	500 U	5 U
Acrylonitrile	5	UG/L	500 U	5 U
Benzene	**1**	UG/L	**120**	0.5 U
Bromobenzene	5	UG/L	250 U	2.5 U
Bromochloromethane	5	UG/L	250 U	2.5 U
Bromodichloromethane	50	UG/L	50 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Waste Water, 169 Western Highway, West Nyack, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MW-3B	MW-3B
Sample Designation:			MW-3B	MW-3B
Sample Date:			08/20/2024	11/01/2024
Normal Sample or Field Duplicate:			N	N
Bromoform	50	UG/L	200 U	2 U
Bromomethane	5	UG/L	250 U	2.5 U
Carbon Disulfide	60	UG/L	500 U	5 U
Carbon Tetrachloride	5	UG/L	50 U	0.5 U
Chlorobenzene	5	UG/L	250 U	2.5 U
Chloroethane	5	UG/L	250 U	2.5 U
Chloroform	7	UG/L	250 U	2.5 U
Chloromethane	5	UG/L	250 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	250 U	2.2 J
Cis-1,3-Dichloropropene	--	UG/L	50 U	0.5 U
Cymene	5	UG/L	250 U	2.5 U
Dibromochloromethane	50	UG/L	50 U	0.5 U
Dibromomethane	5	UG/L	500 U	5 U
Dichlorodifluoromethane	5	UG/L	500 U	5 U
Dichloroethylenes	5	UG/L	250 U	2.2 J
Diethyl Ether (Ethyl Ether)	--	UG/L	250 U	2.5 U
Ethylbenzene	**5**	UG/L	**2800**	2.5 U
Hexachlorobutadiene	0.5	UG/L	250 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	**190 J**	2.5 U
m,p-Xylene	**5**	UG/L	**15000**	1.4 J
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	500 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	500 U	5 U
Methylene Chloride	5	UG/L	250 U	2.5 U
Naphthalene	**10**	UG/L	**510**	2.5 U
N-Butylbenzene	5	UG/L	250 U	2.5 U
N-Propylbenzene	**5**	UG/L	**400**	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	**7200**	2.5 U
Sec-Butylbenzene	5	UG/L	250 U	2.5 U
Styrene	5	UG/L	250 U	2.5 U
T-Butylbenzene	5	UG/L	250 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	250 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	50 U	0.24 J
Toluene	**5**	UG/L	**14000**	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	50 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Waste Water, 169 Western Highway, West Nyack, New York

		Sample Designation:	MW-3B	MW-3B
		Sample Date:	08/20/2024	11/01/2024
		Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units		
Trans-1,2-Dichloroethene	5	UG/L	250 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	50 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	250 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	50 U	**40**
Trichlorofluoromethane	5	UG/L	250 U	2.5 U
Vinyl Acetate	--	UG/L	500 U	5 U
Vinyl Chloride	2	UG/L	100 U	1 U
Xylenes	**5**	UG/L	**22000**	1.4 J

Table 2. Summary of Metals in Groundwater, 169 Western Highway, West Nyack, New York

		Sample Designation:	MW-3B
		Sample Date:	11/01/2024
		Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	
Aluminum	--	UG/L	62.9
Antimony	3	UG/L	4 U
Arsenic	25	UG/L	4.24
Barium	1000	UG/L	728.5
Beryllium	3	UG/L	0.5 U
Cadmium	5	UG/L	0.2 U
Calcium	--	UG/L	84700
Chromium, Total	50	UG/L	0.67 J
Cobalt	--	UG/L	0.53
Copper	200	UG/L	3.74
Iron	300	UG/L	190
Lead	25	UG/L	0.5 J
Magnesium	35000	UG/L	4440
Manganese	300	UG/L	7.07
Mercury	0.7	UG/L	0.2 U
Nickel	100	UG/L	2.05
Potassium	--	UG/L	1450
Selenium	10	UG/L	5 U
Silver	50	UG/L	0.4 U
Sodium	20000	UG/L	11400
Thallium	0.5	UG/L	1 U
Vanadium	--	UG/L	4.86 J
Zinc	2000	UG/L	10.01

Table 3. Summary of Polychlorinated Biphenyls in Groundwater, 169 Western Highway, West Nyack, New York

		Sample Designation:	MW-3B
		Sample Date:	11/01/2024
		Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U

Table 4. Summary of Metals in Liquid Product, 169 Western Highway, West Nyack, New York

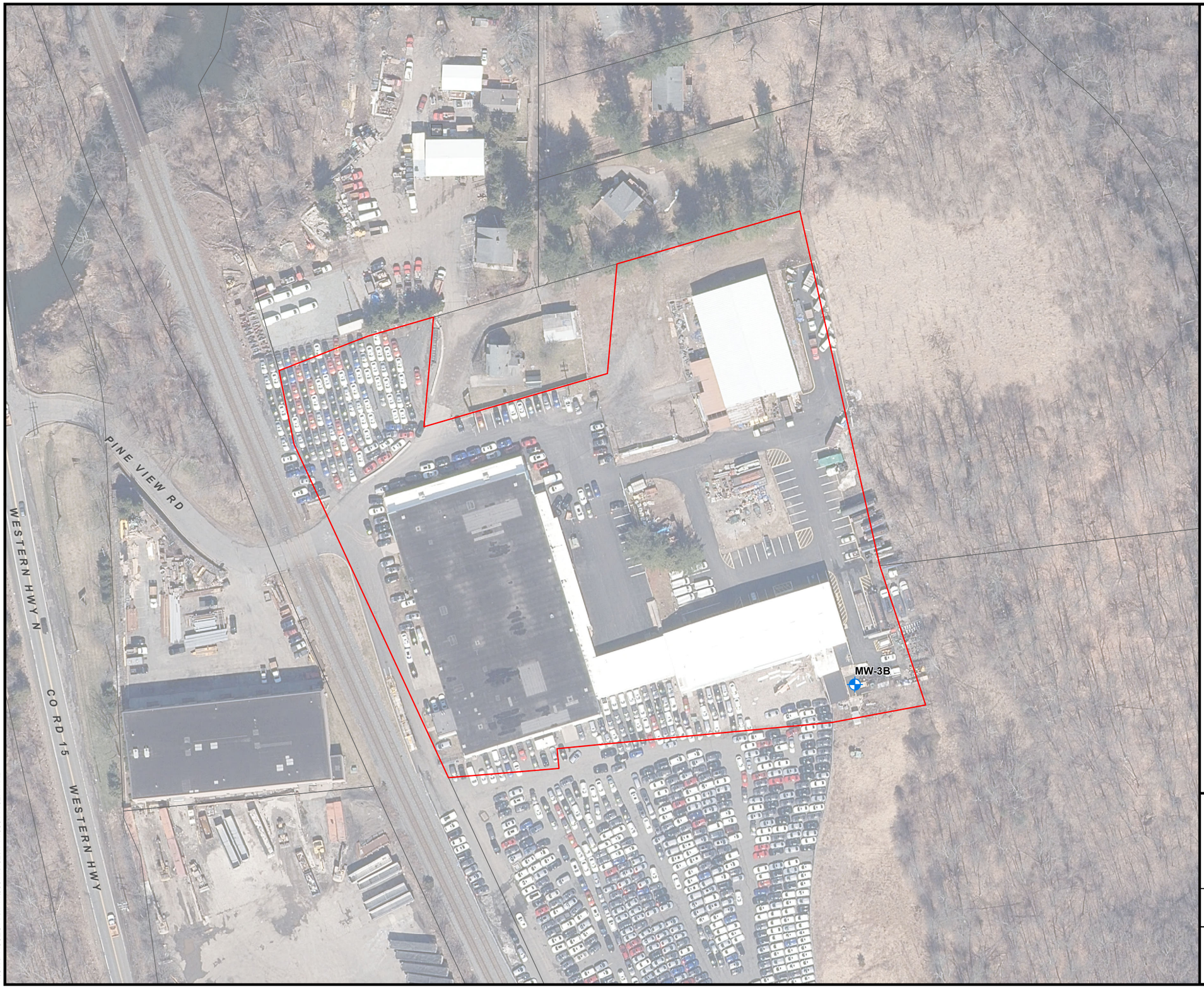
	Sample Designation:		MW-3B
	Sample Date:		08/20/2024
	Normal Sample or Field Duplicate:		N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	Units	
Aluminum	--	MG/KG	8.62 J
Antimony	--	MG/KG	7.69 U
Arsenic	13	MG/KG	1.54 U
Barium	350	MG/KG	1.55
Beryllium	7.2	MG/KG	0.769 U
Cadmium	2.5	MG/KG	1.54 U
Calcium	--	MG/KG	22
Chromium, Total	30	MG/KG	0.226 J
Cobalt	--	MG/KG	3.08 U
Copper	50	MG/KG	1.19 J
Iron	--	MG/KG	55.5
Lead	63	MG/KG	7.69 U
Magnesium	--	MG/KG	3.92 J
Manganese	1600	MG/KG	0.445 J
Mercury	0.18	MG/KG	0.077 U
Nickel	30	MG/KG	1.99 J
Potassium	--	MG/KG	385 U
Selenium	3.9	MG/KG	0.531 J
Silver	2	MG/KG	0.769 U
Sodium	--	MG/KG	5.58 J
Thallium	--	MG/KG	3.08 U
Vanadium	--	MG/KG	8.72
Zinc	109	MG/KG	1.2 J

Table 5. Summary of Polychlorinated Biphenyls in Liquid Product, 169 Western Highway, West Nyack, New York

		Sample Designation:	MW-3B
		Sample Date:	08/20/2024
		Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	Units	
PCB-1016 (Aroclor 1016)	--	MG/KG	4.5 U
PCB-1221 (Aroclor 1221)	--	MG/KG	4.5 U
PCB-1232 (Aroclor 1232)	--	MG/KG	4.5 U
PCB-1242 (Aroclor 1242)	--	MG/KG	4.5 U
PCB-1248 (Aroclor 1248)	--	MG/KG	4.5 U
PCB-1254 (Aroclor 1254)	--	MG/KG	4.5 U
PCB-1260 (Aroclor 1260)	--	MG/KG	4.5 U
PCB-1262 (Aroclor 1262)	--	MG/KG	4.5 U
PCB-1268 (Aroclor 1268)	--	MG/KG	4.5 U
Polychlorinated Biphenyl (PCBs)	0.1	MG/KG	4.5 U

FIGURES

1. Site Plan



N

LEGEND

MONITORING WELL

SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)

100 0 100'

Title:

SITE PLAN

169 WESTERN HIGHWAY,
WEST NYACK, NEW YORK

Prepared for:

PG-OE 169 WESTERN HIGHWAY OWNER, LLC

ROUX

Compiled by: D.M.H.	Date: 11/19/2024	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: -	Project: 4744.0001Y000	
File: 4744.0001Y102.1.mxd		

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Summary of Vacuum Enhanced Recovery at MW-3B
Former Chromalloy Facility
169 Western Highway, West Nyack, *New York*

ATTACHMENT 1

Laboratory Results

ANALYTICAL REPORT

Lab Number:	L2447345
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Dana Hignell
Phone:	(631) 232-2600
Project Name:	FORMER CHROMALLOY FACILITY
Project Number:	4744.0001Y
Report Date:	08/27/24

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).

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y

Lab Number: L2447345
Report Date: 08/27/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2447345-01	MW-3B	OIL	169 WESTERN HIGHWAY, WEST NYACK NY	08/20/24 09:45	08/20/24
L2447345-02	MW-3B	LIQUID	169 WESTERN HIGHWAY, WEST NYACK NY	08/20/24 09:45	08/20/24

Project Name:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
Project Number:	4744.0001Y	**Report Date:**	08/27/24

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:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
Project Number:	4744.0001Y	**Report Date:**	08/27/24

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.

Total Metals

The WG1963203-4 Laboratory Duplicate RPD for calcium (33%), performed on L2447345-01, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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: Kelly O'Neill

Title: Technical Director/Representative Date: 08/27/24

ORGANICS

VOLATILES

Project Name: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2447345-02 D
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK NY

Date Collected: 08/20/24 09:45
Date Received: 08/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Liquid
Analytical Method: 1,8260D
Analytical Date: 08/27/24 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,3-Dichloropropene, Total	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	250	70.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	120		ug/l	50	16.	100
Toluene	14000		ug/l	250	70.	100
Ethylbenzene	2800		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100

Project Name: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2447345-02 D
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK NY

Date Collected: 08/20/24 09:45
Date Received: 08/20/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	17.	100
p/m-Xylene	15000		ug/l	250	70.	100
o-Xylene	7200		ug/l	250	70.	100
Xylenes, Total	22000		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
1,2-Dichloroethene, Total	ND		ug/l	250	70.	100
Dibromomethane	ND		ug/l	500	100	100
1,2,3-Trichloropropane	ND		ug/l	250	70.	100
Acrylonitrile	ND		ug/l	500	150	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
Vinyl acetate	ND		ug/l	500	100	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
2,2-Dichloropropane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,3-Dichloropropane	ND		ug/l	250	70.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	250	70.	100
Bromobenzene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
o-Chlorotoluene	ND		ug/l	250	70.	100
p-Chlorotoluene	ND		ug/l	250	70.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Hexachlorobutadiene	ND		ug/l	250	70.	100
Isopropylbenzene	190	J	ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	510		ug/l	250	70.	100

Project Name: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2447345-02 D
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK NY

Date Collected: 08/20/24 09:45
Date Received: 08/20/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	400		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	960		ug/l	250	70.	100
1,2,4-Trimethylbenzene	3700		ug/l	250	70.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
p-Diethylbenzene	390		ug/l	200	70.	100
p-Ethyltoluene	3000		ug/l	200	70.	100
1,2,4,5-Tetramethylbenzene	150	J	ug/l	200	54.	100
Ethyl ether	ND		ug/l	250	70.	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	70.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/27/24 09:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1964392-5					
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: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/27/24 09:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1964392-5					
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: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y
Lab Number: L2447345
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/27/24 09:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1964392-5					
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	101		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1964392-3 WG1964392-4								
Methylene chloride	95		90		70-130	5		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	91		92		63-130	1		20
1,1,2-Trichloroethane	88		89		70-130	1		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	82		83		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	93		99		54-136	6		20
1,1,2,2-Tetrachloroethane	82		88		67-130	7		20
Benzene	100		99		70-130	1		20
Toluene	94		94		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	93		84		64-130	10		20
Bromomethane	91		84		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1964392-3 WG1964392-4								
Vinyl chloride	120		110		55-140	9		20
Chloroethane	97		66		55-138	**38**	Q	20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	99		99		70-130	0		20
1,4-Dichlorobenzene	97		98		70-130	1		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	100		97		70-130	3		20
1,2,3-Trichloropropane	82		89		64-130	8		20
Acrylonitrile	110		100		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	94		86		36-147	9		20
Acetone	110		97		58-148	13		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	100		92		63-138	8		20
Vinyl acetate	87		95		70-130	9		20
4-Methyl-2-pentanone	83		91		59-130	9		20
2-Hexanone	80		86		57-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1964392-3 WG1964392-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	96		98		70-130	2		20
1,3-Dichloropropane	90		93		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	96		98		70-130	2		20
n-Butylbenzene	91		93		53-136	2		20
sec-Butylbenzene	92		94		70-130	2		20
tert-Butylbenzene	98		100		70-130	2		20
o-Chlorotoluene	88		86		70-130	2		20
p-Chlorotoluene	85		88		70-130	3		20
1,2-Dibromo-3-chloropropane	90		95		41-144	5		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	94		97		70-130	3		20
p-Isopropyltoluene	95		96		70-130	1		20
Naphthalene	91		94		70-130	3		20
n-Propylbenzene	90		93		69-130	3		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	93		95		64-130	2		20
1,2,4-Trimethylbenzene	86		94		70-130	9		20
1,4-Dioxane	144		130		56-162	10		20
p-Diethylbenzene	94		96		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1964392-3 WG1964392-4								
p-Ethyltoluene	93		95		70-130	2		20
1,2,4,5-Tetramethylbenzene	91		89		70-130	2		20
Ethyl ether	99		99		59-134	0		20
trans-1,4-Dichloro-2-butene	86		93		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	94		92		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	105		100		70-130

PCBS

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y
Lab Number: L2447345
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2447345-01
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK NY

Date Collected: 08/20/24 09:45
Date Received: 08/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 08/23/24 15:45
Analyst: MEO
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
Extraction Date: 08/22/24 23:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	4.50	0.400	1	A
Aroclor 1221	ND		mg/kg	4.50	0.451	1	A
Aroclor 1232	ND		mg/kg	4.50	0.955	1	A
Aroclor 1242	ND		mg/kg	4.50	0.607	1	A
Aroclor 1248	ND		mg/kg	4.50	0.676	1	A
Aroclor 1254	ND		mg/kg	4.50	0.493	1	A
Aroclor 1260	ND		mg/kg	4.50	0.832	1	A
Aroclor 1262	ND		mg/kg	4.50	0.572	1	A
Aroclor 1268	ND		mg/kg	4.50	0.467	1	A
PCBs, Total	ND		mg/kg	4.50	0.400	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y
Lab Number: L2447345
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/24 13:31
Analyst: MEO

Extraction Method: EPA 3580A
Extraction Date: 08/22/24 23:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1962846-1						
Aroclor 1016	ND		mg/kg	3.42	0.304	A
Aroclor 1221	ND		mg/kg	3.42	0.343	A
Aroclor 1232	ND		mg/kg	3.42	0.726	A
Aroclor 1242	ND		mg/kg	3.42	0.462	A
Aroclor 1248	ND		mg/kg	3.42	0.514	A
Aroclor 1254	ND		mg/kg	3.42	0.375	A
Aroclor 1260	ND		mg/kg	3.42	0.633	A
Aroclor 1262	ND		mg/kg	3.42	0.435	A
Aroclor 1268	ND		mg/kg	3.42	0.355	A
PCBs, Total	ND		mg/kg	3.42	0.304	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	130		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	116		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1962846-2 WG1962846-3									
Aroclor 1016	86		99		40-140	14		50	A
Aroclor 1260	80		93		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		100		30-150	A
Decachlorobiphenyl	113		130		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		94		30-150	B
Decachlorobiphenyl	104		116		30-150	B

METALS

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y
Lab Number: L2447345
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2447345-01
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK NY
Date Collected: 08/20/24 09:45
Date Received: 08/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Percent Solids: Results are reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.62	J	mg/kg	15.4	4.15	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	7.69	0.585	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Arsenic, Total	ND		mg/kg	1.54	0.320	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Barium, Total	1.55		mg/kg	1.54	0.268	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.769	0.051	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	1.54	0.151	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Calcium, Total	22.0		mg/kg	15.4	5.38	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Chromium, Total	0.226	J	mg/kg	1.54	0.148	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Cobalt, Total	ND		mg/kg	3.08	0.255	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Copper, Total	1.19	J	mg/kg	1.54	0.397	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Iron, Total	55.5		mg/kg	7.69	1.39	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Lead, Total	ND		mg/kg	7.69	0.412	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Magnesium, Total	3.92	J	mg/kg	15.4	2.37	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Manganese, Total	0.445	J	mg/kg	1.54	0.245	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.077	0.050	1	08/27/24 08:20	08/27/24 09:58	EPA 7471B	1,7471B	JWN
Nickel, Total	1.99	J	mg/kg	3.85	0.372	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Potassium, Total	ND		mg/kg	385	22.2	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Selenium, Total	0.531	J	mg/kg	3.08	0.397	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.769	0.435	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Sodium, Total	5.58	J	mg/kg	308	4.85	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	3.08	0.485	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Vanadium, Total	8.72		mg/kg	1.54	0.312	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC
Zinc, Total	1.20	J	mg/kg	7.69	0.451	1	08/27/24 08:00	08/27/24 14:16	EPA 3050B	1,6010D	DMC

Project Name: FORMER CHROMALLOY FACILITY **Lab Number:** L2447345

Project Number: 4744.0001Y **Report Date:** 08/27/24

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 Batch: WG1963203-1										
Aluminum, Total	ND		mg/kg	10.0	2.70	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Antimony, Total	ND		mg/kg	5.00	0.380	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Arsenic, Total	ND		mg/kg	1.00	0.208	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Barium, Total	ND		mg/kg	1.00	0.174	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.500	0.033	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Cadmium, Total	ND		mg/kg	1.00	0.098	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Calcium, Total	ND		mg/kg	10.0	3.50	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Chromium, Total	ND		mg/kg	1.00	0.096	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Cobalt, Total	ND		mg/kg	2.00	0.166	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Copper, Total	ND		mg/kg	1.00	0.258	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Iron, Total	ND		mg/kg	5.00	0.903	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Lead, Total	ND		mg/kg	5.00	0.268	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Magnesium, Total	ND		mg/kg	10.0	1.54	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Manganese, Total	ND		mg/kg	1.00	0.159	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Nickel, Total	ND		mg/kg	2.50	0.242	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Potassium, Total	ND		mg/kg	250	14.4	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Selenium, Total	0.718	J	mg/kg	2.00	0.258	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Silver, Total	ND		mg/kg	0.500	0.283	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Sodium, Total	ND		mg/kg	200	3.15	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Thallium, Total	ND		mg/kg	2.00	0.315	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Vanadium, Total	ND		mg/kg	1.00	0.203	1	08/27/24 08:00	08/27/24 13:55	1,6010D	DMC
Zinc, Total	ND		mg/kg	5.00	0.293	1	08/27/24 08:00	08/27/24 13:55	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 Batch: WG1963208-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/27/24 08:20	08/27/24 09:51	1,7471B	JWN

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y
Lab Number: L2447345
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Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1963203-2								
Aluminum, Total	95		-		80-120	-		
Antimony, Total	87		-		80-120	-		
Arsenic, Total	94		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	90		-		80-120	-		
Calcium, Total	97		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	92		-		80-120	-		
Copper, Total	95		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	97		-		80-120	-		
Magnesium, Total	88		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	93		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	100		-		80-120	-		
Silver, Total	90		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	91		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1963203-2					
Zinc, Total	92	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1963208-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y

Lab Number: L2447345
Report Date: 08/27/24

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 QC Batch ID: WG1963203-3 QC Sample: L2447345-01 Client ID: MW-3B												
Aluminum, Total	8.62J	623	592	95		-	-		75-125	-		20
Antimony, Total	ND	156	133	85		-	-		75-125	-		20
Arsenic, Total	ND	37.4	33.2	89		-	-		75-125	-		20
Barium, Total	1.55	623	568	91		-	-		75-125	-		20
Beryllium, Total	ND	15.6	14.7	94		-	-		75-125	-		20
Cadmium, Total	ND	16.5	14.0	85		-	-		75-125	-		20
Calcium, Total	22.0	3120	2870	91		-	-		75-125	-		20
Chromium, Total	0.226J	62.3	55.2	89		-	-		75-125	-		20
Cobalt, Total	ND	156	135	87		-	-		75-125	-		20
Copper, Total	1.19J	77.9	72.4	93		-	-		75-125	-		20
Iron, Total	55.5	312	440	123		-	-		75-125	-		20
Lead, Total	ND	165	152	92		-	-		75-125	-		20
Magnesium, Total	3.92J	3120	2630	84		-	-		75-125	-		20
Manganese, Total	0.445J	156	143	92		-	-		75-125	-		20
Nickel, Total	1.99J	156	137	88		-	-		75-125	-		20
Potassium, Total	ND	3120	2880	92		-	-		75-125	-		20
Selenium, Total	0.531J	37.4	33.2	89		-	-		75-125	-		20
Silver, Total	ND	15.6	13.3	85		-	-		75-125	-		20
Sodium, Total	5.58J	3120	2910	93		-	-		75-125	-		20
Thallium, Total	ND	37.4	32.6	87		-	-		75-125	-		20
Vanadium, Total	8.72	156	147	89		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y

Lab Number: L2447345
Report Date: 08/27/24

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 QC Batch ID: WG1963203-3 QC Sample: L2447345-01 Client ID: MW-3B									
Zinc, Total	1.20J	156	136	87	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1963208-3 QC Sample: L2447345-01 Client ID: MW-3B									
Mercury, Total	ND	0.152	0.155	102	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y

Lab Number: L2447345
Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1963203-4 QC Sample: L2447345-01 Client ID: MW-3B						
Aluminum, Total	8.62J	9.38J	mg/kg	NC		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	ND	ND	mg/kg	NC		20
Barium, Total	1.55	1.63	mg/kg	5		20
Beryllium, Total	ND	ND	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	22.0	30.6	mg/kg	**33**	Q	20
Chromium, Total	0.226J	0.258J	mg/kg	NC		20
Cobalt, Total	ND	ND	mg/kg	NC		20
Copper, Total	1.19J	1.20J	mg/kg	NC		20
Iron, Total	55.5	52.1	mg/kg	6		20
Lead, Total	ND	ND	mg/kg	NC		20
Magnesium, Total	3.92J	4.22J	mg/kg	NC		20
Manganese, Total	0.445J	0.482J	mg/kg	NC		20
Nickel, Total	1.99J	2.05J	mg/kg	NC		20
Potassium, Total	ND	ND	mg/kg	NC		20
Selenium, Total	0.531J	0.708J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	5.58J	6.67J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 4744.0001Y

Lab Number: L2447345

Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1963203-4 QC Sample: L2447345-01 Client ID: MW-3B					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	8.72	9.17	mg/kg	5	20
Zinc, Total	1.20J	2.04J	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1963208-4 QC Sample: L2447345-01 Client ID: MW-3B					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 4744.0001Y

Lab Number: L2447345
Report Date: 08/27/24

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(*)
L2447345-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		ARCHIVE()
L2447345-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		ARCHIVE()
L2447345-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		ARCHIVE()
L2447345-01D	Plastic 250ml HNO3 preserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2447345-01E	Amber 120ml unpreserved	A	NA		2.6	Y	Absent		NYTCL-8082(365)
L2447345-01F	Amber 120ml unpreserved	A	NA		2.6	Y	Absent		NYTCL-8082(365)
L2447345-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2447345-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2447345-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
Project Number:	4744.0001Y	**Report Date:**	08/27/24

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:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
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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:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
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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:	FORMER CHROMALLOY FACILITY	**Lab Number:**	L2447345
Project Number:	4744.0001Y	**Report Date:**	08/27/24

REFERENCES

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

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.

Serial_No:08272417:25

L2447345 ROUX – NY 27AUG24

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 8/20/24

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

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

Project Information

Project Name: FORMER CHROMALLOY FACILITY
Project Location: 169 WESTERN HIGHWAY, WEST NYACK, NY
Project #: 4744.0001Y
(Use Project name as Project #) ☐
Project Manager: DANA HIGNELL
ALPHAQuote #:

Turn-Around Time

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

Client Information

Client: ROUX
Address: 209 SHAFTER ST. ISLANDIA, NY 11749
Phone: 631-2322600
Fax: 631-2329898
Email: DHIGNELL@ROUXINC.COM

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082-LVI	TOTAL Hg TOTAL METALS	NYTCL-8260					Sample Specific Comments	Total Bottles
47345-01	MW-3B	8-20-24	0945	O	AF	X	X	X						6
Container Type						A	P	V						
Preservative						A	C	B						

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] ROUX	8/20/24 11:00	[signature]	8/20/24 11:00
[signature]	8/20/24 11:00	NTSC	8/20/24 11:00
NTSC	8/20/24 1050	Paul Mazzella	8/20/24 1050
Paul Mazzella	8/20/24	[signature]	8/20/24 2130
[signature]	8/20/24 2305	[signature]	8/20/24 23:05

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

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

ANALYTICAL REPORT

Lab Number:	L2463862
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Dana Hignell
Phone:	(631) 232-2600
Project Name:	169 WESTERN HIGHWAY, WEST NYAC
Project Number:	4744.0001Y000
Report Date:	11/08/24

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).

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000

Lab Number: L2463862
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2463862-01	MW-3B	WATER	169 WESTERN HIGHWAY, WEST NYACK, NY	11/01/24 11:15	11/01/24

Project Name:	169 WESTERN HIGHWAY, WEST NYAC	**Lab Number:**	L2463862
Project Number:	4744.0001Y000	**Report Date:**	11/08/24

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 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:	169 WESTERN HIGHWAY, WEST NYAC	**Lab Number:**	L2463862
Project Number:	4744.0001Y000	**Report Date:**	11/08/24

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.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/08/24

ORGANICS

VOLATILES

Project Name: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

SAMPLE RESULTS

Lab ID: L2463862-01 Date Collected: 11/01/24 11:15

Client ID: MW-3B Date Received: 11/01/24

Sample Location: 169 WESTERN HIGHWAY, WEST NYACK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 11/07/24 10:23

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.24	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

SAMPLE RESULTS

Lab ID: L2463862-01 Date Collected: 11/01/24 11:15

Client ID: MW-3B Date Received: 11/01/24

Sample Location: 169 WESTERN HIGHWAY, WEST NYACK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	40		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	1.4	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	1.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.2	J	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: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

SAMPLE RESULTS

Lab ID: L2463862-01 Date Collected: 11/01/24 11:15

Client ID: MW-3B Date Received: 11/01/24

Sample Location: 169 WESTERN HIGHWAY, WEST NYACK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.1	J	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	1.0	J	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	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/07/24 08:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1994360-5					
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: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/07/24 08:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1994360-5					
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: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000
Lab Number: L2463862
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/07/24 08:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1994360-5					
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	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1994360-3 WG1994360-4								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		98		70-130	1		20
Carbon tetrachloride	92		90		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	94		94		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	97		92		70-130	5		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	92		89		62-150	3		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	98		98		70-130	0		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
1,1-Dichloropropene	98		96		70-130	2		20
Bromoform	99		88		54-136	12		20
1,1,2,2-Tetrachloroethane	120		100		67-130	18		20
Benzene	100		99		70-130	1		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	92		89		64-130	3		20
Bromomethane	45		45		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1994360-3 WG1994360-4								
Vinyl chloride	97		94		55-140	3		20
Chloroethane	92		97		55-138	5		20
1,1-Dichloroethene	93		89		61-145	4		20
trans-1,2-Dichloroethene	95		94		70-130	1		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	110		97		70-130	13		20
1,4-Dichlorobenzene	110		96		70-130	14		20
Methyl tert butyl ether	93		95		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	120		100		64-130	18		20
Acrylonitrile	110		120		70-130	9		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	85		80		36-147	6		20
Acetone	61		**55**	Q	58-148	10		20
Carbon disulfide	93		91		51-130	2		20
2-Butanone	76		74		63-138	3		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	81		82		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1994360-3 WG1994360-4								
Bromochloromethane	96		94		70-130	2		20
2,2-Dichloropropane	98		95		63-133	3		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	95		95		64-130	0		20
Bromobenzene	110		93		70-130	17		20
n-Butylbenzene	120		100		53-136	18		20
sec-Butylbenzene	110		97		70-130	13		20
tert-Butylbenzene	110		96		70-130	14		20
o-Chlorotoluene	110		98		70-130	12		20
p-Chlorotoluene	120		100		70-130	18		20
1,2-Dibromo-3-chloropropane	95		84		41-144	12		20
Hexachlorobutadiene	100		90		63-130	11		20
Isopropylbenzene	110		96		70-130	14		20
p-Isopropyltoluene	110		96		70-130	14		20
Naphthalene	110		97		70-130	13		20
n-Propylbenzene	120		99		69-130	19		20
1,2,3-Trichlorobenzene	110		96		70-130	14		20
1,2,4-Trichlorobenzene	110		95		70-130	15		20
1,3,5-Trimethylbenzene	110		98		64-130	12		20
1,2,4-Trimethylbenzene	110		97		70-130	13		20
1,4-Dioxane	88		80		56-162	10		20
p-Diethylbenzene	110		98		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1994360-3 WG1994360-4								
p-Ethyltoluene	110		98		70-130	12		20
1,2,4,5-Tetramethylbenzene	110		97		70-130	13		20
Ethyl ether	92		95		59-134	3		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	106		103		70-130
4-Bromofluorobenzene	108		98		70-130
Dibromofluoromethane	96		96		70-130

PCBS

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Lab Number: L2463862
Project Number: 4744.0001Y000
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2463862-01
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK, NY

Date Collected: 11/01/24 11:15
Date Received: 11/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/05/24 20:51
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 11/04/24 07:22
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/24
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000
Lab Number: L2463862
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/05/24 19:26
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 11/04/24 07:22
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/24
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1992627-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	56		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1992627-2 WG1992627-3									
Aroclor 1016	60		64		40-140	7		50	A
Aroclor 1260	67		67		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		60		30-150	A
Decachlorobiphenyl	68		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		55		30-150	B
Decachlorobiphenyl	75		74		30-150	B

METALS

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Lab Number: L2463862
Project Number: 4744.0001Y000
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2463862-01
Client ID: MW-3B
Sample Location: 169 WESTERN HIGHWAY, WEST NYACK, NY
Date Collected: 11/01/24 11:15
Date Received: 11/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0629		mg/l	0.0100	0.00327	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00424		mg/l	0.00050	0.00016	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Barium, Total	0.7285		mg/l	0.00050	0.00017	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Calcium, Total	84.7		mg/l	0.100	0.0394	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00067	J	mg/l	0.00100	0.00017	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00053		mg/l	0.00050	0.00016	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Copper, Total	0.00374		mg/l	0.00100	0.00038	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Iron, Total	0.190		mg/l	0.0500	0.0191	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Lead, Total	0.00050	J	mg/l	0.00100	0.00034	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Magnesium, Total	4.44		mg/l	0.0700	0.0242	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Manganese, Total	0.00707		mg/l	0.00100	0.00044	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/06/24 20:44	11/07/24 23:52	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00205		mg/l	0.00200	0.00055	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Potassium, Total	1.45		mg/l	0.100	0.0309	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Sodium, Total	11.4		mg/l	0.100	0.0293	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00486	J	mg/l	0.00500	0.00157	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB
Zinc, Total	0.01001		mg/l	0.01000	0.00341	1	11/06/24 19:56	11/08/24 09:28	EPA 3005A	1,6020B	NTB

Project Name: 169 WESTERN HIGHWAY, WEST NYAC **Lab Number:** L2463862

Project Number: 4744.0001Y000 **Report Date:** 11/08/24

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 Batch: WG1994012-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/06/24 19:56	11/08/24 09:56	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1994014-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/06/24 20:44	11/07/24 23:45	1,7470A	MJR

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000
Lab Number: L2463862
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1994012-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	105		-		80-120	-		
Beryllium, Total	112		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	109		-		80-120	-		
Chromium, Total	105		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	108		-		80-120	-		
Iron, Total	108		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Nickel, Total	106		-		80-120	-		
Potassium, Total	105		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	107		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	105		-		80-120	-		
Vanadium, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1994012-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1994014-2					
Mercury, Total	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000

Lab Number: L2463862
Report Date: 11/08/24

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 QC Batch ID: WG1994012-3 QC Sample: L2462108-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.02	101		-	-		75-125	-		20
Antimony, Total	0.0010J	0.5	0.5508	110		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.1292	108		-	-		75-125	-		20
Barium, Total	0.0497	2	2.112	103		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05343	107		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.05554	105		-	-		75-125	-		20
Calcium, Total	57.3	10	69.4	121		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2085	104		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.5196	104		-	-		75-125	-		20
Copper, Total	ND	0.25	0.2676	107		-	-		75-125	-		20
Iron, Total	ND	1	1.12	112		-	-		75-125	-		20
Lead, Total	ND	0.53	0.5337	101		-	-		75-125	-		20
Magnesium, Total	16.3	10	26.4	101		-	-		75-125	-		20
Manganese, Total	ND	0.5	0.5276	106		-	-		75-125	-		20
Nickel, Total	0.0006J	0.5	0.5236	105		-	-		75-125	-		20
Potassium, Total	6.20	10	16.4	102		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.125	104		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05209	104		-	-		75-125	-		20
Sodium, Total	64.3	10	72.8	85		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1248	104		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5160	103		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000

Lab Number: L2463862
Report Date: 11/08/24

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 QC Batch ID: WG1994012-3 QC Sample: L2462108-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5342	107	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1994014-3 QC Sample: L2463862-01 Client ID: MW-3B									
Mercury, Total	ND	0.005	0.00477	95	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 169 WESTERN HIGHWAY, WEST NYAC

Project Number: 4744.0001Y000

Lab Number: L2463862

Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1994012-4 QC Sample: L2462108-01 Client ID: DUP Sample						
Iron, Total	ND	ND	mg/l	NC		20
Manganese, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1994014-4 QC Sample: L2463862-01 Client ID: MW-3B						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000

Lab Number: L2463862
Report Date: 11/08/24

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(*)
L2463862-01A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L2463862-01B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L2463862-01C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L2463862-01D	Amber 120ml unpreserved	A	6	6	2.5	Y	Absent		NYTCL-8082-LVI(365)
L2463862-01E	Amber 120ml unpreserved	A	6	6	2.5	Y	Absent		NYTCL-8082-LVI(365)
L2463862-01F	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name:	169 WESTERN HIGHWAY, WEST NYAC	**Lab Number:**	L2463862
Project Number:	4744.0001Y000	**Report Date:**	11/08/24

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: DU Report with 'J' Qualifiers

Project Name:	169 WESTERN HIGHWAY, WEST NYAC	**Lab Number:**	L2463862
Project Number:	4744.0001Y000	**Report Date:**	11/08/24

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. 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:	169 WESTERN HIGHWAY, WEST NYAC	**Lab Number:**	L2463862
Project Number:	4744.0001Y000	**Report Date:**	11/08/24

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: 169 WESTERN HIGHWAY, WEST NYAC
Project Number: 4744.0001Y000
Lab Number: L2463862
Report Date: 11/08/24

REFERENCES

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

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.

Serial_No:11082412:58

L2463862 ROUX – NY 08NOV24

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab 11/01/24

Client Information

Client: Roux Env. Eng. & Geology DPC
Address: 209 Shafter Street
Islandia, NY 11749
Phone: (315) 447-4533
Fax: (631) 630-2329
Email: dhignell@roux-inc.com

Project Information

Project Name: 169 Western Highway, West Nyack
Project Location: 169 Western Highway, West Nyack, NY
Project # 4744.0001Y000
(Use Project name as Project #) ☐
Project Manager: Dana Hignell
ALPHAQuote #: 420642

Turn-Around Time

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

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082-LVI	Total Hg Total Metals	NYTCL-8260D						Sample Specific Comments	Total Bottle
63862-01	MW-3B	11/1/24	11:15	W	PP	X	X	X							6

Container Type: A P V
Preservative: A C B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
PM	11/1/24 1233	(PAGE)	11/1/24 1233
	11/1/24 1233	Paul Mazzella	11/1/24 1650
Paul Mazzella	11/1/24		11/1/24 2255

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

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

ATTACHMENT 2

Non-Hazardous Waste Manifests

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not required	1	631-608-810	3117-

GENERATOR

5. Generator's Name and Mailing Address
PG-OE 169 Western Highway Owner, LLC
c/o Onyx Management Group, One Gateway Center, Suite 2400
Newark NJ 07012

Generator's Site Address (if different than mailing address)
Former Chromalloy Facility
169 Western Highway
West Nyack NY 10994

Generator's Phone:

6. Transporter 1 Company Name: Brookside Environmental, Inc. — U.S. EPA ID Number: NYR000081661

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Advanced Waste and Water Technology
208 Route 109
Farmingdale NY 11735
Facility's Phone: 631 213-1324
U.S. EPA ID Number: NYR000218677

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, non-DOT waste, liquid (groundwater)	001	TT	510	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1) Oily water.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: STEWART HANLEY — Signature: [signature] — Month: 11 Day: 01 Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Oscar Paredes — Signature: [signature] — Month: 11 Day: 01 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

DESIGNATED FACILITY

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jason Ross — Signature: [signature] — Month: 11 Day: 1 Year: 24

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not required	1	631-608-810	3117 -

5. Generator's Name and Mailing Address
PG-OE 169 Western Highway Owner, LLC
c/o Onyx Management Group, One Gateway Center, Suite 2400
Newark NJ 07012
Generator's Phone:

Generator's Site Address (if different than mailing address)
Former Chromalloy Facility
169 Western Highway
West Nyack NY 10994

6. Transporter 1 Company Name
Brookside Environmental, Inc.
U.S. EPA ID Number: NYR000081661

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Advanced Waste and Water Technology
208 Route 109
Farmingdale NY 11735
Facility's Phone: 631 213-1324
U.S. EPA ID Number: NYR000218677

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, non-DOT waste, liquid (groundwater)	001	TT	857	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1) Oily water.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: STEWART HANLEY
Signature:
Month: 09 Day: 23 Year: 2024

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: OSCAR Parada
Signature:
Month: 9 Day: 24 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mrs Brown
Signature:
Month: 9 Day: 24 Year: 24

GENERATOR
TRANSPORTER
DESIGNATED FACILITY

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DESIGNATED FACILITY TO GENERATOR