

From: [King, Justin](#)
To: [Spellman, John \(DEC\)](#)
Cc: [LaRock, Jeffrey](#); [Carlos Scheirer](#)
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John,

For your review, please find the attached OU-1 Groundwater Sampling Report, which summarizes our activities completed in August 2021. Feel free to give me a call if you have any comments, questions, or concerns.

Thanks,

Justin King
Project Manager



10 Maxwell Drive, Suite 200, Clifton Park, NY 12065
T 518.348.1192 | **F** 518.348.1194 | **C** 518.860.7656
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)



GROUNDWATER SAMPLING REPORT

Former Chromalloy Facility

Operable Unit 1

169 Western Highway

West Nyack, Rockland County, New York 12233

NYSDEC Site No. 344039

Submitted to:



**Department of
Environmental Conservation**

Division of Environmental Remediation

625 Broadway, 12th Floor
Albany, New York 12233

Prepared for:



4100 RCA Boulevard, Suite 100
Palm Beach Gardens, Florida, 33410

Prepared by:

TRC Engineers, Inc.

10 Maxwell Drive
Clifton Park, New York 12065

TRC Project No. 190273.2021.0000

FEBRUARY 24, 2022

Table of Contents

TABLE OF CONTENTS	I
ACRONYMS AND ABBREVIATIONS	III
1.0 INTRODUCTION.....	4
2.0 GROUNDWATER MONITORING ACTIVITIES	6
2.1 Monitoring Well Redevelopment	6
2.2 Groundwater Sampling Methodology	6
3.0 DISCUSSION OF RESULTS.....	8
3.1 Site Hydrogeology.....	8
3.2 Groundwater Analytical Results	8
3.2.1 Overburden Groundwater Sample Analytical Results	9
3.2.1.1 Volatile Organic Compounds	9
3.2.1.2 Semi-Volatile Organic Compounds	9
3.2.1.3 Pesticides and Herbicides	9
3.2.1.4 Metals and Cyanide	9
3.2.1.5 Polychlorinated Biphenyls.....	10
3.2.2 Bedrock Groundwater Sample Analytical Results	10
3.2.2.1 Volatile Organic Compounds	10
3.2.2.2 Semi-Volatile Organic Compounds	10
3.2.2.3 Pesticides and Herbicides	10
3.2.2.4 Metals and Cyanide	10
3.2.2.5 Polychlorinated Biphenyls.....	11
3.3 Data Usability.....	11
4.0 CONCLUSIONS AND RECOMMENDATIONS	12

TABLES

Table 1	Summary of Groundwater Elevation Measurements – August 2021
Table 2	Summary of Groundwater Analytical Results – Volatile Organic Compounds
Table 3	Summary of Groundwater Analytical Results – Expanded Parameters

FIGURES

Figure 1	Site Location Map
Figure 2	Site Layout Map
Figure 3	Overburden Groundwater Monitoring Map – August 2021
Figure 4	Bedrock Groundwater Monitoring Map – August 2021
Figure 5	Site Exceeding Groundwater Concentration Map – August 2021

APPENDICES

Appendix A	Groundwater Sampling Logs
Appendix B	Data Usability Summary Reports
Appendix C	Laboratory Summary Analytical Reports

Acronyms and Abbreviations

Alpha	Alpha Analytical of Westborough, Massachusetts
AMSL	Above Mean Sea Level
ASP-B	Analytical Services Protocol Category B
AST 1	Air Stripper No. 1
COCs	Contaminants of Concern
CVOCs	Chlorinated Volatile Organic Compounds
DOT	Department of Transportation
DPE	Dual Phase Extraction
DUSR	Data Usability Summary Report
EDDs	Electronic Data Deliverables
GWQS	Groundwater Quality Standard
Interim SMP	Interim Site Management Plan
MS/MSDs	Matrix Spike and Matrix Spike Duplicates
NTUs	Nephelometric Turbidity Units
NYSDEC	New York Department of Environmental Conservation
OU-1	Operable Unit No. 1
P&T	Pump and Treat
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
Revised Work Plan	July 2021 Revised Expanded Groundwater Sampling Work Plan – OU-1
SCGs	Standards, Criteria, and Guidance
Sequa	Sequa Corporation
Site	Former Chromalloy Facility located at 169 Western Highway in West Nyack, New York
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
TRC	TRC Engineers, Inc.
µg/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 Introduction

TRC Engineers, Inc. (TRC), on behalf of Sequa Corporation (Sequa), has prepared this Groundwater Sampling Report summarizing groundwater sampling activities for Operable Unit No. 1 (OU-1) at the Former Chromalloy Facility located at 169 Western Highway in West Nyack, New York (the Site). These activities were completed from August 2 to 4 and 11, 2021 and included routine biennial groundwater sampling for volatile organic compounds (VOCs) of individual Site monitoring wells as identified in the *Interim Site Management Plan (Interim SMP)*. Additionally, at the request of the New York Department of Environmental Conservation (NYSDEC), select monitoring wells were sampled and submitted for an expanded parameter set as further discussed below. Figures showing the Site's location and layout are provided on **Figures 1** and **2**, respectively.

On May 28, 2021, the on-Site pump and treat (P&T) system was shut down so that the air stripper no. 1 (AST 1) centrifugal transfer pump could be assessed for repairs. To take advantage of the shutdown, in addition to the March 16, 2021 NYSDEC request for an expanded groundwater parameters analysis, TRC proposed to evaluate groundwater concentrations and elevations under static non-pumping conditions. Based on the available Site history and known P&T and former dual phase extraction (DPE) system start date (circa 2002), it is unclear when groundwater samples were last collected under static conditions.

In the *July 2021 Revised Expanded Groundwater Sampling Work Plan – OU-1 (Revised Work Plan)*, TRC proposed 10 monitoring wells (MW-1A, MW-1B, MW-2A, MW-3A, MW-3B, MW-4A, MW-4B, MW-5A, MW-B, and RW-1) for expanded parameter list analysis. These monitoring wells were selected based on their screened formation (i.e., overburden or bedrock aquifers), location relative to the Site, presence within the *Interim SMP* sampling network, and NYSDEC request. The *Revised Work Plan* was approved by the NYSDEC on July 22, 2021. The approved monitoring wells for expanded parameter analysis suite can be found in the table below.

Monitoring Wells Selected for Expanded Parameter Analysis Suite

Monitoring Well ID	Formation	Screen Depth (feet bgs)	Comment
MW-1A	Overburden	7 - 17	Performance monitoring well.
MW-1B	Bedrock	42.6 – 62.6	Performance monitoring well, screened.
MW-2A	Overburden	11 – 21	No longer within <i>Interim IRM</i> sampling network. Was redeveloped prior to sampling.

Monitoring Well ID	Formation	Screen Depth (feet bgs)	Comment
MW-3A	Overburden	5 - 15	No longer within <i>Interim IRM</i> sampling network. Was redeveloped prior to sampling.
MW-3B	Bedrock	62.2 – 52.2	Collapsed borehole, screened
MW-4A	Overburden	6 - 16	No longer within <i>Interim IRM</i> sampling network. Was redeveloped prior to sampling.
MW-4B	Bedrock	45 - 65	Performance monitoring well; collapsed borehole, screened.
MW-5A	Overburden	8 - 18	No longer within <i>Interim IRM</i> sampling network. Will be redeveloped prior to sampling.
MW-5B	Bedrock	48 - 68	Collapsed borehole, screened
RW-1*	Bedrock	--	P&T System Recovery Well Open borehole 59 to 300 feet bgs; collapsed borehole approx. 100 feet bgs; set 8-inch steel casing from ground surface to 169 feet bgs with slotted steel casing 84 to 126 feet bgs and 147 to 169 feet bgs; open borehole 168 to 300 feet bgs

Note

*At the conclusion of the groundwater sampling event, TRC attempted to collect a sample from RW-1 from within the remediation system building by placing the pump in the “hand” position.

2.0 Groundwater Monitoring Activities

2.1 Monitoring Well Redevelopment

As discussed in the *Revised Work Plan*, monitoring wells MW-2A, MW-3A, MW-4A, and MW-5A were selected for analysis of expanded parameters. Since these wells were no longer within the *Interim SMP* sampling network and have not been sampled since the mid-2010s, they were redeveloped.

To facilitate sampling, the above referenced monitoring wells were redeveloped via pump and surge methods on July 15 and August 4, 2021. Groundwater quality parameters (e.g. temperature, conductivity, turbidity, oxidation reduction potential, dissolved oxygen, etc.) were monitored during the development activities. Development was considered complete when either turbidity was below 50 nephelometric turbidity units (NTUs), the well purged dry, or 10 well volumes had been removed, whichever occurred first. Well development water was containerized into two steel Department of Transportation (DOT) approved 55-gallon drums and staged inside the P&T system building. Following its repair and activation, all generated well development water will be processed through the P&T system.

2.2 Groundwater Sampling Methods

One Site-wide groundwater monitoring event was conducted from August 2 to 4 and 11, 2021. The event included potentiometric surface elevation measurements for all monitoring wells and the subsequent sampling of 21 wells utilizing standard low-flow sampling techniques. Groundwater samples could not be collected from monitoring wells MW-6B, MW-11B, or MW-12A because they either could not be located or were inaccessible at the time of sampling. Additionally, a sample could not be collected from RW-1 as the P&T system could not be started. Following stabilization of groundwater quality parameters during low-flow sampling, the samples were collected in laboratory supplied glassware, placed on ice, and submitted, under chain-of-custody documentation, to Alpha Analytical of Westborough, Massachusetts (Alpha). Groundwater sampling logs well can be found in **Appendix A**.

In addition to the routine analysis of Target Compound List (TCL) VOCs by United States Environmental Protection Agency (USEPA) Method 8260, the groundwater samples listed in **Section 1.0** were submitted for the following expanded parameters:

- TCL Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270;
- TCL Pesticides and Herbicides by USEPA Methods 8081 and 8082;
- Target Analyte List (TAL) Metals plus Mercury and Cyanide by USEPA Methods 6010, 7471, and 9010; and

- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082.

Quality control samples including matrix spike and matrix spike duplicates (MS/MSDs), field duplicates, equipment blanks, and trip blanks were additionally collected at a frequency of 1 per 20 samples, where applicable. All Alpha laboratory deliverables are in accordance with NYSDEC Analytical Services Protocol Category B (ASP-B) and were subjected to data validation by TRC's independent data validator, Alpha Geoscience of Clifton Park, New York.

3.0 Discussion of Results

The following subsections discuss the regulatory standards, criteria, and guidance (SCGs) used to evaluate the groundwater analytical results.

In accordance with NYSDEC DER-10, Appendix 2B, Alpha Geoscience performed a data validation of all Alpha ASP-B laboratory deliverables. The analytical data validation results are summarized in the Data Usability Summary Reports (DUSRs), provided in **Appendix B**. The summary laboratory analytical reports, provided by Alpha, can be found in **Appendix C**. Following this Report submittal, the qualified electronic data deliverables (EDDs) will be uploaded to the NYSDEC EQuIS database.

3.1 Site Hydrogeology

As a result of the potentiometric surface measurements, groundwater elevation depth in the overburden monitoring wells ranged from 54.28 feet above mean sea level (AMSL) (MW-23A(I)) to 80.44 feet AMSL (MW-1A). Groundwater elevation depth in the bedrock monitoring wells ranged from 35.49 feet AMSL (MW-23A(D)) to 70.42 feet AMSL (MW-16B). A summary of the groundwater elevation data is provided in **Table 1**.

The collected potentiometric surface measurements were used to generate groundwater contours for both the overburden and bedrock aquifers. As shown on **Figures 3 and 4**, overburden and bedrock groundwater generally flows to the north, in the direction of the Hackensack River.

3.2 Groundwater Analytical Results

The regulatory SCG used to evaluate the groundwater analytical results is listed below:

- NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Class GA, June 1998

A brief overview of the overburden and bedrock groundwater analytical results is provided in the following subsections. A summary of the groundwater VOC analytical results is provided in **Table 2**. A summary of the expanded parameter analytical results is presented in **Table 3**. The overburden and bedrock groundwater sample locations including analytes exceeding applicable SCGs, can be found on **Figures 3 and 4**, respectively. A map showing the immediate Site boundaries, in addition to analytes exceeding applicable SCGs for both groundwater aquifers, is presented on **Figure 5**.

3.2.1 *Overburden Groundwater Sample Analytical Results*

3.2.1.1 Volatile Organic Compounds

Of the eight samples submitted for analysis, only three (MW-6A, MW-21A(S), and MW-23A(S)) contained concentrations of one to two VOCs exceeding their respective Class GA Groundwater Quality Standard (GWQS). Of these compounds, the highest measurement was acetone at a concentration of 64 micrograms per liter ($\mu\text{g/L}$) (MW-6A), which exceeds the Class GA GWQS of 50 $\mu\text{g/L}$.

Of the three samples noted above, only two contained concentrations of one to two chlorinated VOCs (CVOCs) exceeding their respective Class GA GWQS. Of these compounds, the highest measurement was trichloroethene (TCE) at a concentration of 15 $\mu\text{g/L}$ (MW-21A(S)), which exceeds its respective Class GA GWQS of 5 $\mu\text{g/L}$.

3.2.1.2 Semi-Volatile Organic Compounds

Of the five samples submitted for analysis, three (MW-1A, MW-3A, and MW-5A) contained concentrations of four to six SVOCs exceeding their respective Class GA GWQS. Of these exceeding compounds, benzo(b)fluoranthene was the highest measured analyte in all three samples and ranged from 0.02 $\mu\text{g/L}$ (MW-1A) to 0.13 $\mu\text{g/L}$ (MW-3A), which exceeds its respective Class GA GWQS of 0.002 $\mu\text{g/L}$.

3.2.1.3 Pesticides and Herbicides

No pesticides or herbicides were detected above laboratory quantitation limits in any groundwater sample submitted for analysis.

3.2.1.4 Metals and Cyanide

Of the five samples submitted for analysis, four (MW-1A, MW-3A, MW-4A, and MW-5A) contained concentrations of one to three metals exceeding their respective Class GA GWQS. Of these exceeding compounds, sodium was the highest measured analyte in all four samples and ranged from 24,000 $\mu\text{g/L}$ (MW-3A) to 157,000 $\mu\text{g/L}$ (MW-1A), which exceeds its respective Class GA GWQS of 20,000 $\mu\text{g/L}$.

Additionally, in the sample collected from monitoring well MW-1A, chromium was detected at a concentration of 328.9 $\mu\text{g/L}$, which exceeds its respective Class GA GWQS of 50 $\mu\text{g/L}$. Chromium did not exceed its respective Class GA GWQS in any other overburden groundwater sample submitted for analysis.

Cyanide was not detected above laboratory quantitation limits in any overburden groundwater sample submitted for analysis.

3.2.1.5 Polychlorinated Biphenyls

Of the five samples submitted for analysis, only one contained a concentration of total PCBs exceeding its respective Class GA GWQS. In the sample collected from MW-1A, total PCBs were detected at a concentration of 0.238 µg/L, which exceeds its respective Class GA GWQS of 0.09 µg/L.

3.2.2 *Bedrock Groundwater Sample Analytical Results*

3.2.2.1 Volatile Organic Compounds

Of the 13 samples submitted for analysis, 9 contained concentrations of 1 to 3 CVOCs exceeding their respective Class GA GWQS. Of these nine samples, eight contained concentrations of TCE at generally its highest measurement. TCE in these eight samples ranged from 6.2 µg/L (MW-7B) to 8,200 µg/L (MW-1B), which exceeds its respective Class GA GWQS of 5 µg/L.

3.2.2.2 Semi-Volatile Organic Compounds

Of the five samples submitted for analysis, four contained concentrations of three to six SVOCs exceeding their respective Class GA GWQS. Of these exceeding compounds, benzo(b)fluoranthene was generally the highest measured analyte and ranged from 0.02 (MW-5B) to 0.35 µg/L (MW-3B); which also exceeds its respective the Class GA GWQS of 0.002 µg/L.

3.2.2.3 Pesticides and Herbicides

No pesticides or herbicides were detected above laboratory quantitation limits in any groundwater sample submitted for analysis.

3.2.2.4 Metals and Cyanide

Of the five samples submitted for analysis, four contained concentrations of one to two metals exceeding their respective Class GA GWQS. In three of the four samples, sodium was detected at the highest concentration and ranged from 25,900 µg/L (MW-4B) to at 44,600 µg/L (MW-5B); which exceeds its respective Class GA GWQS of 20,000 µg/L.

Cyanide was not detected above laboratory quantitation limits in any bedrock groundwater sample submitted for analysis.

3.2.2.5 Polychlorinated Biphenyls

Of the five samples submitted for analysis, only one contained concentrations of total PCBs exceeding its respective Class GA GWQS. In the sample collected from MW-4B, total PCBs were detected at a concentration of 0.114 µg/L, which exceeds its respective Class GA GWQS of 0.09 µg/L.

3.3 Data Usability

The results of the data validation for the above referenced analytical results are summarized in the DUSRs and are provided in **Appendix B**. Each DUSR includes a discussion of each qualified result, potential bias, and the effects on data usability. Generally, the groundwater analytical results were found to be valid and usable for decision making purposes. Exceptions are reflected on the summary analytical data tables (**Tables 2 and 3**) and are detailed in their respective DUSR.

4.0 Conclusions and Recommendations

TRC completed the biennial groundwater sampling event in accordance with the *Interim SMP* and *Revised Work Plan* from August 2 to 4 and August 11, 2021. Conclusions and recommendations based on the sampling activities are presented below.

Overburden Groundwater

- Detected concentrations of CVOCs in monitoring wells north of the Site prior to the Hackensack River are consistent with historical reporting. As the neighborhood north of the Site has been connected to the municipal water system, human contact with the overburden aquifer is not likely. It is recommended that biennial sampling of overburden monitoring wells identified in the *Interim SMP* (MW-1A, MW-6A, MW-12A, MW-21A(S), and MW-23A(S)) continue.
- CVOCs were not detected in any overburden monitoring well immediately surrounding the Site (MW-1A, MW-2A, MW-3A, MW-4A, MW-5A, and MW-6A) and is consistent with available historical reporting prior to implementation of the *Interim SMP*. Of these wells, MW-1A will continue to be monitored for VOCs on a biennial basis, in accordance with the *Interim SMP*.
- As shown on **Figure 5**, several polycyclic aromatic hydrocarbons (PAHs) were detected above their respective Class GA GWQS in three of the five samples (MW-1A, MW-3A, and MW-5A). The source of this is not clear as the primary Site contaminants of concern (COCs) are CVOCs (particularly TCE) and chromium. Given the commercial/industrial nature of the Site, its surrounding vicinity, and the distribution of exceedances around the Site, a source of identified PAHs can potentially be urban fill.
- The Site COC, chromium, and total PCBs were detected above their respective Class GA GWQS in the groundwater sample collected from MW-1A. These are the first detections as no comparable historical analytical data can be located. The source of these impacts are likely soils in the grassed area just south of the P&T building. This area was identified with elevated chromium and total PCB soil concentrations as reported in the *November 2021 Subsurface Investigation Report*. Additionally, the chromium/PCB groundwater concentrations appear to be localized to MW-1A. These constituents were not detected above their respective Class GA GWQS horizontally in surrounding wells MW-2A, MW-5A, and MW-6A, nor vertically in the co-located bedrock aquifer well MW-1B.
- Based on the results of the expanded groundwater sampling event. TRC recommends no further sampling of overburden wells for parameters outside of the Site COCs, except for chromium and total PCBs in MW-1A.

Bedrock Groundwater

- Static bedrock groundwater flow at the Site, without the influence of the P&T system, appears to be to the north, toward the Hackensack River.

- Detected concentrations of CVOCs in monitoring wells throughout the Site and to the north are consistent with historical reporting. As the neighborhood north of the Site has since been connected to the municipal water system, human consumption of the bedrock aquifer is not likely. It is recommended that biennial sampling of the bedrock monitoring wells identified the *Interim SMP* (MW-1B, MW-2B, MW-3B, MW-6A, MW-12A, MW-21A(S), and MW-23A(S)) continue.
- As shown on **Figure 5**, several PAHs were detected above their respective Class GA GWQS in four of the five samples (MW-1B, MW-3B, MW-4B, and MW-5B). The source of these impacts is not clear as Site COCs are CVOCs (particularly TCE) and chromium.
- Based on the results of the expanded groundwater sampling event. TRC would recommend no further sampling of bedrock wells for parameters outside of the Site COCs.

TABLES

Table 1
Summary of Groundwater Elevation Measurements - August 2021
Former Chromalloy Facility
West Nyack, New York

Well ID	Top of Casing Elevation (ft. AMSL)	Total Well Depth (ft. BTOC)	Gauge Date	Depth to Water (ft. BTOC)	Adjusted Water Elevation (ft. AMSL)
RW-1	85.77	NG	8/2/2021	NA	-
MW-1A	87.96	18.25	8/2/2021	7.52	80.44
MW-1B	88.21	64.32	8/2/2021	27.88	60.33
MW-2A	83.97	22.75	8/11/2021	13.15	70.82
MW-2B	84.15	66.75	8/2/2021	24.62	59.53
MW-3A	69.15	15.45	8/2/2021	14.11	55.04
MW-3B	69.23	51.50	8/2/2021	9.75	59.48
MW-4A	80.78	15.30	8/11/2021	7.85	72.93
MW-4B	80.58	67.85	8/2/2021	20.40	60.18
MW-5A	83.85	15.56	8/2/2021	7.85	76.00
MW-5B	83.68	68.45	8/2/2021	23.05	60.63
MW-6A	82.85	20.80	8/2/2021	14.60	68.25
MW-6B	82.56	53.6*	8/2/2021	Unable to Locate	
MW-7B	85.00	65.30	8/2/2021	24.83	60.17
MW-8B	75.90	61.06	8/2/2021	15.60	60.30
MW-9B	70.89	58.42	8/2/2021	8.65	62.24
MW-11A	69.15	31.00	8/2/2021	9.33	59.82
MW-11B	68.98	120*	8/2/2021	Unable to Locate	
MW-12A	62.19	30*	8/2/2021	Inaccessible	
MW-12B	62.15	128.10	8/2/2021	3.94	58.21
MW-14A	86.42	27.10	8/2/2021	17.55	68.87
MW-14B	86.31	64.10	8/2/2021	26.00	60.31
MW-15A	86.02	1.20	8/2/2021	NM	NA
MW-16A	74.44	22.89	8/2/2021	5.47	68.97
MW-16B	74.26	162.35	8/2/2021	3.84	70.42
MW-17A	85.76	34.15	8/2/2021	19.77	65.99
MW-18B	77.36	275*	8/2/2021	Unable to Locate	
MW-19A	62.71	28.5*	8/2/2021	Unable to Locate	
MW-20A	64.10	14*	8/2/2021	Unable to Locate	
MW-21A(I)	59.44	29.60	8/2/2021	0.67	58.77
MW-21A(S)	59.41	15.16	8/2/2021	1.96	57.45
MW-22A(S)	64.92	14.38	8/2/2021	6.55	58.37
MW-22A(I)	64.79	29.78	8/2/2021	9.99	54.80
MW-23A(S)	61.80	16.85	8/2/2021	5.15	56.65
MW-23A(I)	61.69	26.70	8/2/2021	7.41	54.28
MW-23A(D)	61.79	41.35	8/2/2021	26.30	35.49
MW-24A(S)	68.90	21.83	8/2/2021	9.41	59.49
MW-24A(I)	68.92	31.17	8/2/2021	10.15	58.77
MW-24A(D)	68.82	43.14	8/2/2021	10.15	58.67
MW-25A	82.26	15.32	8/2/2021	10.95	71.31
MW-26A	66.40	20*	8/2/2021	Unable to Locate	
MW-27A	67.37	20*	8/2/2021	Unable to Locate	
Well 12	79.19	133*	8/2/2021	NM	NA
Well 16	76.11	170.35	8/2/2021	16.63	59.48
Well 25	76.23	105.20	8/2/2021	17.85	58.38
Well 35	67.91	48.91	8/2/2021	8.62	59.29
Well 36	71.84	120.59	8/2/2021	12.50	59.34
Well 41	68.42	93.85	8/2/2021	9.20	59.22

Notes:

NA : Not available
NM : Not measured
ft AMSL : Feet above mean sea level
BTOC : Below top of casing
(S) : Shallow groundwater monitoring well
(I) : Intermediate groundwater monitoring well (well bottom set at top of bedrock interface)
(D) : Bedrock groundwater monitoring well
* : Total well depth as indicated by the Well Construction Table, found in the Interim Site Management Plan
Wells identified with "A" indicate overburden wells.
Wells identified with "B" indicate bedrock wells.

Table 2
Summary of Groundwater Analytical Results - Volatile Organic Compounds
Former Chromalloy Facility (NYSDEC Site No. 344039)
West Nyack, New York

Sample Location:		MW-12B	MW-21A(S)			MW-23A(D)	MW-23A(S)	MW-24A(D)	WELL-25	WELL-35	WELL-36
Sample Name:		MW-12B	MW-21A-S	DUP-1	MW-23A-D	MW-23A-S	MW-24A-D	WELL-25	WELL-35	WELL-36	
Lab Sample ID:		L2141727-19	L2141727-04	L2141727-03	L2141727-01	L2141727-02	L2141727-05	L2141727-21	L2141727-06	L2141727-20	
Sample Date:		8/4/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/4/2021	8/3/2021	8/4/2021	
Analyte	Class GA Value*	Results (µg/L)									
VOCs											
Methylene chloride	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U
Carbon tetrachloride	5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Tetrachloroethene	5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	0.5 U	0.38 J	0.38 J
Chlorobenzene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichlorofluoromethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.49 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.56	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4(a)	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4(a)	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromomethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	430 J	0.35 J	0.2 J	0.21 J	5.5 J	0.18 J	0.27 J	1 U	2.6	2.6
Chloroethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	1.1	15	0.5 U	0.5 U	0.5 U	2.7	140	6.6	120	120
1,2-Dichlorobenzene	3	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5(b)	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5(b)	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	270	5.7	2.5 U	2.5 U	4.2	1.6 J	18	2.5 U	9.1	9.1
Styrene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dichlorodifluoromethane	5	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	50	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromochloromethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	0.04	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	NS	4 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 U
Cyclohexane	NS	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane	NS	500 U	R	R	R	R	R	250 U	R	250 U	250 U
Methyl cyclohexane	NS	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 2
Summary of Groundwater Analytical Results - Volatile Organic Compounds
Former Chromalloy Facility (NYSDEC Site No. 344039)
West Nyack, New York

Notes:

- ug/L - micrograms per liter.
- J - Estimated value.
- J+ - Estimated value; biased high.
- NA - Sample not analyzed for the listed analyte.
- ND - Not detected.
- NS - No NYSDEC criteria exist for this analyte.
- R - Rejected data point.
- U - Analyte was not detected at specified quantitation limit.
- UJ - Estimated non-detect.
- Values in black script indicate the analyte was detected.
- Values shown in bold exceed the listed criteria.
- VOCs - Volatile Organic Compounds.
- * - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.
- (a) - criteria applicable to the sum of the cis and trans isomers.

Table 3
Summary of Groundwater Analytical Results - Expanded Parameters
Former Chromalloy Facility (NYSDEC Site No. 344039)
West Nyack, New York

Sample Location:		MW-01A	MW-01B	MW-02A	MW-03A	MW-03B	MW-04A	MW-04B	MW-05A		MW-05B
Sample Name:		MW-1A	MW-1B	MW-2A	MW-3A	MW-3B	MW-4A	MW-4B	MW-5A	DUP-2	MW-5B
Lab Sample ID:		L2141727-11	L2141727-17	L2143009-02	L2141727-08	L2141727-14	L2143009-01	L2141727-15	L2141727-09	L2141727-10	L2141727-16
Sample Date:		8/4/2021	8/3/2021	8/11/2021	8/4/2021	8/3/2021	8/11/2021	8/3/2021	8/4/2021	8/4/2021	8/3/2021
Analyte	Class GA Value*	Results (µg/L)									
SVOCs											
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
3,3'-Dichlorobenzidine	5	5 U	R	5 U	5 U	R	5 U	R	5 U	5 U	R
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorocyclopentadiene	5	R	20 U	20 U	R	20 U	20 U	20 U	R	R	20 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	1.1 J	5 U	5 U	5 U
Di-n-octylphthalate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	R	R	5 U
2-Nitrophenol	1(d)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	1(d)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-o-cresol	1(d)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1(d)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	1(d)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3/4-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	1(d)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Atrazine	7.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Caprolactam	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	1(d)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthene	20	0.23	0.1 U	0.1 U	0.14	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Fluoranthene	50	0.06 J	0.03 J	0.1 U	0.1	0.37	0.1 U	0.04 J	0.1 U	0.02 J	0.1 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U



Table 3
Summary of Groundwater Analytical Results - Expanded Parameters
Former Chromalloy Facility (NYSDEC Site No. 344039)
West Nyack, New York

Sample Location:		MW-01A	MW-01B	MW-02A	MW-03A	MW-03B	MW-04A	MW-04B	MW-05A		MW-05B
Sample Name:		MW-1A	MW-1B	MW-2A	MW-3A	MW-3B	MW-4A	MW-4B	MW-5A	DUP-2	MW-5B
Lab Sample ID:		L2141727-11	L2141727-17	L2143009-02	L2141727-08	L2141727-14	L2143009-01	L2141727-15	L2141727-09	L2141727-10	L2141727-16
Sample Date:		8/4/2021	8/3/2021	8/11/2021	8/4/2021	8/3/2021	8/11/2021	8/3/2021	8/4/2021	8/4/2021	8/3/2021
Analyte	Class GA Value*	Results (µg/L)									
SVOCs (cont.)											
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Naphthalene	10	3.6	0.09 J	0.1 U	3	0.29	0.1 U	0.1 U	0.1 U	0.18	0.1 U
Benzo(a)anthracene	0.002	0.02 J	0.1 U	0.1 U	0.06 J	0.23	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	ND	0.1 U	0.02 J	0.1 U	0.08 J	0.25	0.1 U	0.03 J	0.06 J	0.1 U	0.1 U
Benzo(b)fluoranthene	0.002	0.02 J	0.06 J	0.1 U	0.13	0.35	0.1 U	0.05 J	0.07 J	0.1 U	0.02 J
Benzo(k)fluoranthene	0.002	0.01 J	0.06 J	0.1 U	0.04 J	0.12	0.1 U	0.02 J	0.03 J	0.1 U	0.01 J
Chrysene	0.002	0.02 J	0.1 U	0.1 U	0.06 J	0.23	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U
Acenaphthylene	NS	0.04 J	0.1 U	0.1 U	0.02 J	0.07 J	0.1 U	0.1 U	0.1	0.1 U	0.1 U
Anthracene	50	0.04 J	0.1 U	0.1 U	0.03 J	0.07 J	0.1 U	0.02 J	0.02 J	0.02 J	0.1 U
Benzo(ghi)perylene	NS	0.1 U	0.07 J	0.1 U	0.1 J	0.26	0.1 U	0.03 J	0.08 J	0.1 U	0.02 J
Fluorene	50	0.13	0.1 U	0.1 U	0.06 J	0.04 J	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Phenanthrene	50	0.25	0.1 U	0.1 U	0.1 U	0.21	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzo(a,h)anthracene	NS	0.1 U	0.07 J	0.1 U	0.02 J	0.04 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Indeno(1,2,3-cd)Pyrene	0.002	0.1 U	0.07 J	0.1 U	0.09 J	0.25	0.1 U	0.04 J	0.07 J	0.1 U	0.02 J
Pyrene	50	0.05 J	0.02 J	0.1 U	0.1	0.35	0.1 U	0.04 J	0.1 U	0.02 J	0.1 U
2-Methylnaphthalene	NS	1.1	0.1 U	0.1 U	0.74	0.15	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Pentachlorophenol	1(d)	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
PCBs											
Aroclor-1016	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1221	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1232	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1242	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1248	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.114 J+	0.071 U	0.071 U	0.071 U
Aroclor-1254	NS	0.238 J+	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1260	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1262	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor-1268	NS	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09	0.238 J+	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.114 J+	0.071 U	0.071 U	0.071 U
Pesticides											
Delta-BHC	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Lindane	0.05	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha-BHC	0.01	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta-BHC	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Aldrin	ND	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor epoxide	0.03	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Endrin	ND	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin aldehyde	5	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin ketone	5	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Dieldrin	0.004	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
4,4'-DDE	0.2	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
4,4'-DDD	0.3	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
4,4'-DDT	0.2	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endosulfan I	NS	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Endosulfan II	NS	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endosulfan sulfate	NS	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Methoxychlor	35	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
Toxaphene	0.06	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
Chlordane	0.05	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
cis-Chlordane	0.05(c)	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 3
Summary of Groundwater Analytical Results - Expanded Parameters
Former Chromalloy Facility (NYSDEC Site No. 344039)
West Nyack, New York

Sample Location:		MW-01A	MW-01B	MW-02A	MW-03A	MW-03B	MW-04A	MW-04B	MW-05A		MW-05B
Sample Name:		MW-1A	MW-1B	MW-2A	MW-3A	MW-3B	MW-4A	MW-4B	MW-5A	DUP-2	MW-5B
Lab Sample ID:		L2141727-11	L2141727-17	L2143009-02	L2141727-08	L2141727-14	L2143009-01	L2141727-15	L2141727-09	L2141727-10	L2141727-16
Sample Date:		8/4/2021	8/3/2021	8/11/2021	8/4/2021	8/3/2021	8/11/2021	8/3/2021	8/4/2021	8/4/2021	8/3/2021
Analyte	Class GA Value*	Results (µg/L)									
Pesticides (cont.)											
trans-Chlordane	0.05	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Herbicides											
2,4-D	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-T	35	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-TP (Silvex)	0.26	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Metals, total											
Aluminum	NS	38.1	39.6	163	136	635	27.7	190	55.2 J	216 J	110
Antimony	3	4 UJ	4 UJ	4 U	1.18 J-	4 UJ	4 U	0.44 J-	0.97 J-	4 UJ	4 UJ
Arsenic	25	1.64	1.19	0.36 J	6.9	4.36	0.37 J	1.97	0.5	0.58	1.56
Barium	1,000	83.8	171	20.67	462.3	739	142.4	307.7	227.1	249.2	350.6
Beryllium	3	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	0.2 U	0.2 U	0.2 U	0.15 J	0.2 U	0.2 U	0.12 J	0.48	0.49	0.2 U
Calcium	NS	43,400	111,000	5,470	24,500	93,500	71,300	80,900	72,200	76,500	101,000
Chromium	50	328.9	4.98	8.41	0.74 J	2.26	0.35 J	0.91 J	0.76 J	1.01	8.19
Cobalt	NS	0.41 J	1.16	66.21	6.93	1.99	0.5 U	0.7	0.5 U	0.42 J	1.22
Copper	200	11.44	1.48	0.66 J	4.47	7.01	1.06	7.86	14.56	17.55	4.47
Iron	300	42.6 J	90.6	50 U	593	2,020	45.8 J	340	88.7 J	296 J	396
Lead	25	1 U	1 U	1 U	1.2	3.87	1 U	1.91	1 U	1 U	1.03
Magnesium	35,000	6,210	5,990	1,400	3,730	5,160	14,100	7,020	20,600	21,900	6,300
Manganese	300	10.05	263.5	40.67	2,756	50.08	2.71	24.3	18.33	21.11	10.03
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	0.87 J	2.28	5.42	6.73	3.79	0.77 J	5.15	4.02	3.89	0.96 J
Potassium	NS	2,570	1,020	575	2,230	1,450	2,090	16,100	1,180	1,250	3,050
Selenium	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.29 J	2.37 J	5 U
Silver	50	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20,000	157,000	31,300	5,580	24,000	14,200	138,000	25,900	130,000	142,000	44,600
Thallium	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.16 J	1 U	1 U
Vanadium	NS	3.06 J	5 U	5 U	2.44 J	6.2	5 U	3.65 J	5 U	5 U	1.57 J
Zinc	2,000	10 U	10 U	4.94 J	128	21.86	3.98 J	23.48	129.1	137.8	18
General Chemistry											
Cyanide	200	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes:

ug/L - micrograms per liter.

J - Estimated value.

J+ - Estimated value; biased high.

NA - Sample not analyzed for the listed analyte.

ND - Not detected.

NS - No NYSDEC criteria exist for this analyte.

R - Rejected data point.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in black script indicate the analyte was detected.

Values shown in bold exceed the listed criteria.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

(c) - Used standard for Chlordane.

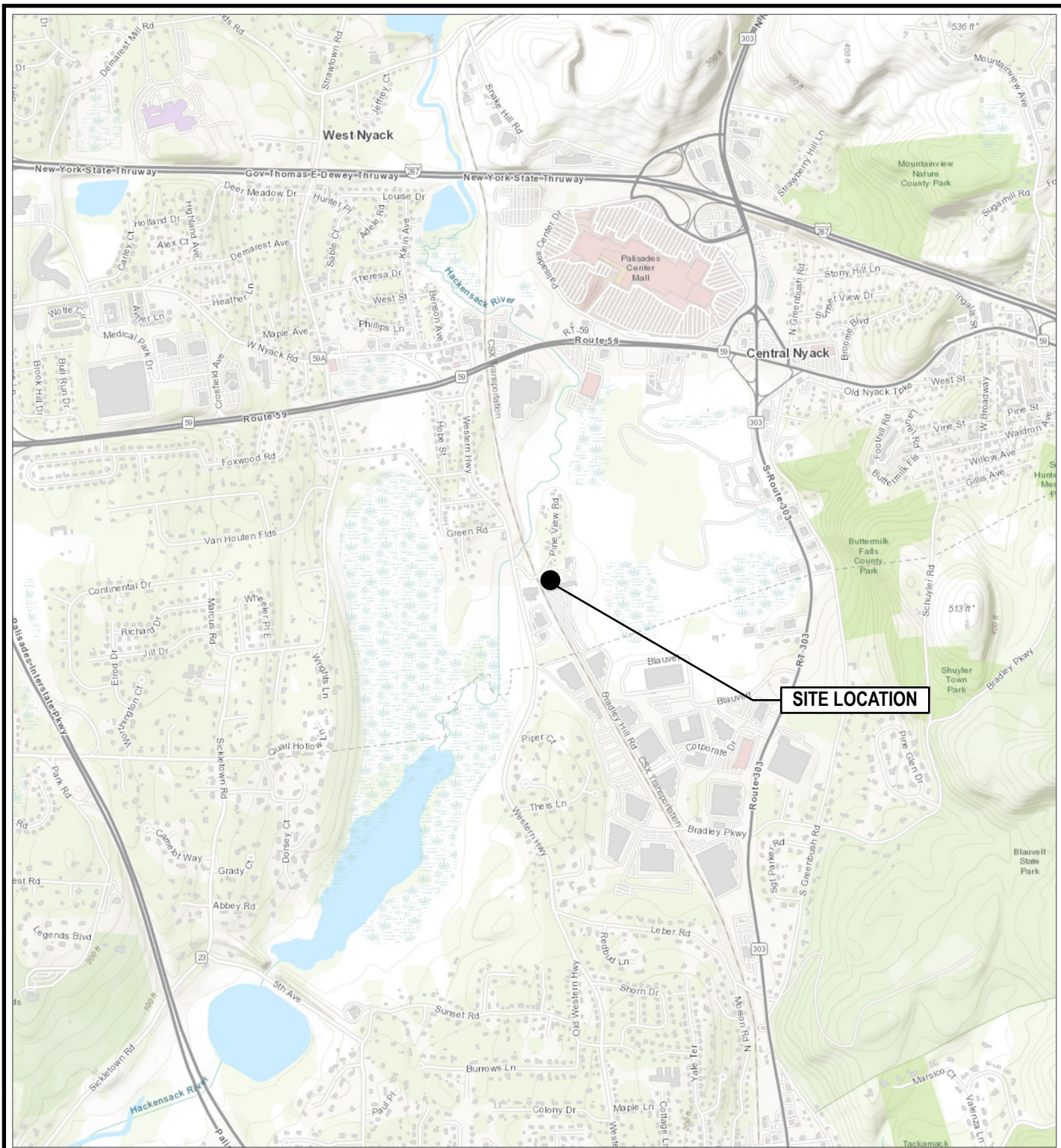
(d) - criteria applicable to total phenolics.

(e) - criteria applicable to the sum of 1,1- and 1,2-diphenylhydrazine.



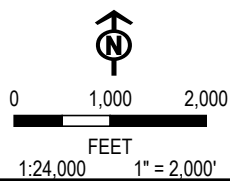
FIGURES

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW YORK EAST FIPS 3101 FEET; MAP ROTATION: 0
- SAVED BY: LILL ON 8/13/2021 09:29:44 AM; FILE PATH: T:\1-PROJECTS\SEQUA\2-APPROX SITE LOCATION\APPROX - LAYOUT NAME: FIGURE 1 - CHROMALLOY SITE LOCATION MAP



LEGEND

● SITE LOCATION



PROJECT: **SEQUA CORPORATION
FORMER CHROMALLOY FACILITY
WEST NYACK, ROCKLAND COUNTY, NEW YORK
NYSDEC SITE NO. 344039**

TITLE: **SITE LOCATION MAP**

DRAWN BY: L. LILL PROJ. NO.: 190273.2021.0000

CHECKED BY: J. KING

APPROVED BY: J. LAROCK

DATE: AUGUST 2021

FIGURE 1

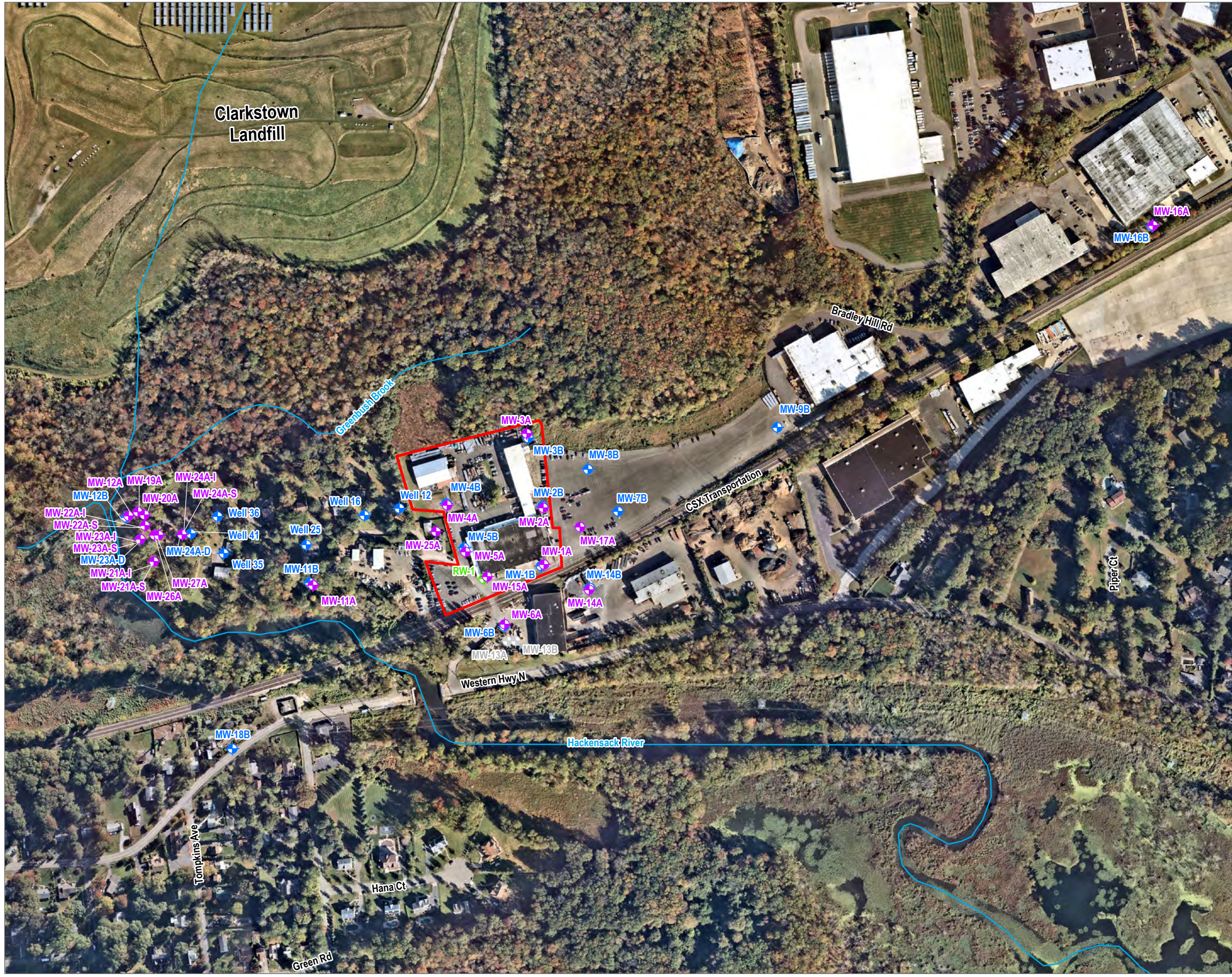


10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190

BASE MAP: USGS TOPOGRAPHIC IMAGERY
DATA SOURCES: TRC

FILE: SITELOCATION

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet, Map Rotation: -90
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LEGEND

- FORMER CHROMALLOY FACILITY PROPERTY
- NHD STREAM
- OVERBURDEN MONITORING WELL
- RECOVERY WELL
- ABANDONED WELL
- BEDROCK MONITORING WELL

NOTES:

1. FORMER CHROMALLOY FACILITY PROPERTY BOUNDARY IS APPROXIMATE.

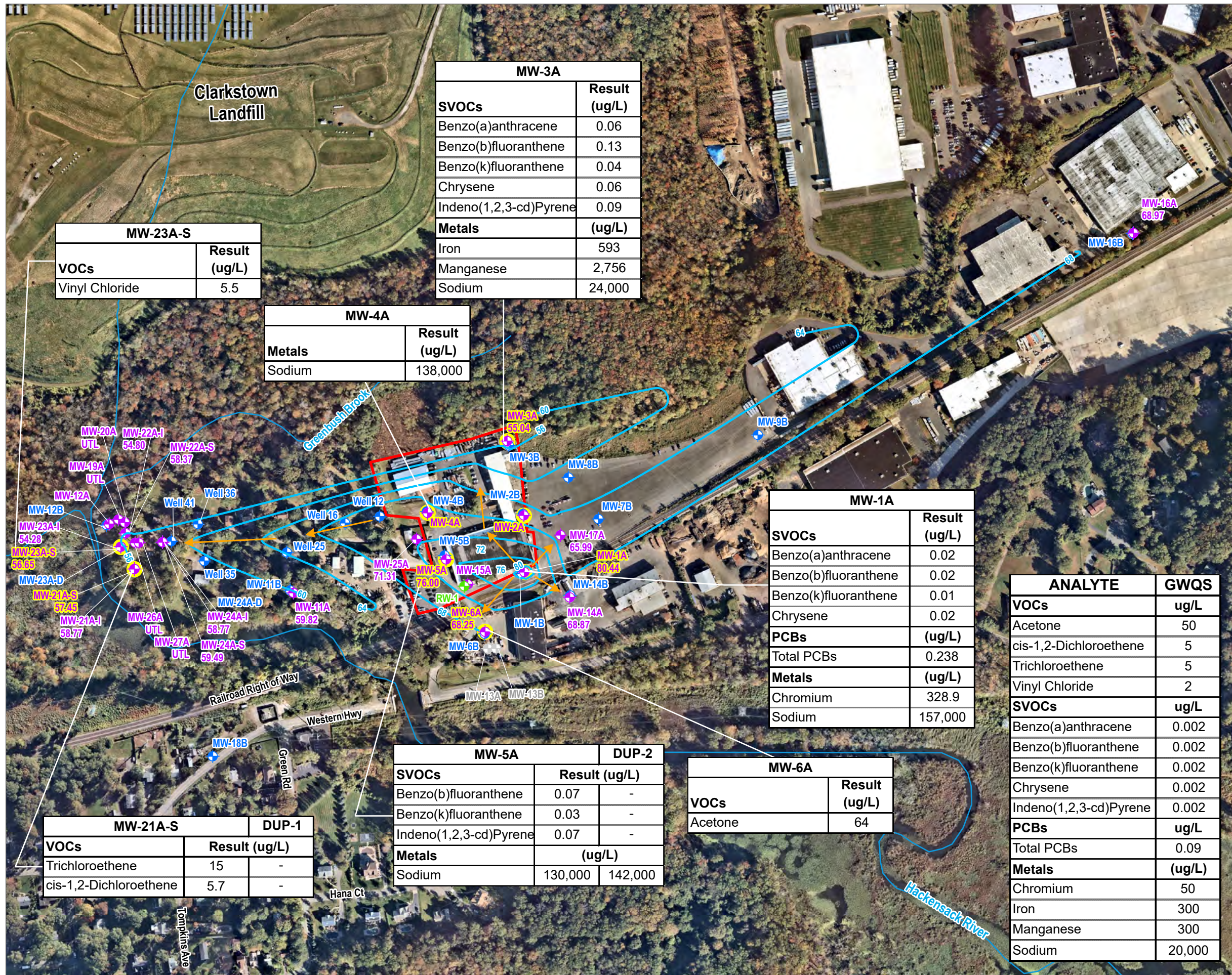
1:4,200
1" = 350'

0 350 700 FEET

BASE MAP: NEARMAP IMAGERY
DATA SOURCES: TRC

PROJECT:	FORMER CHROMALLOY FACILITY NYSDEC SITE NO. 344039 169 WESTERN HIGHWAY WEST NYACK, NEW YORK	
TITLE:	SITE LAYOUT MAP	
DRAWN BY:	L. LILL	PROJ. NO.: 190273.2021.0000
CHECKED BY:	J. KING	FIGURE 2
APPROVED BY:	J. LAROCK	
DATE:	DECEMBER 2021	
		10 Maxwell Drive Clifton Park, NY 12065 Phone: 518-348-1190
FILE:	sitelayout.aprx	

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet, Map Rotation: -90
-- Saved By: LILL on 12/22/2021, 14:14:38 PM, File Path: T:\1-PROJECTS\Sequa\2-APR\overburden\flow\overburden\flow.aprx, Layout Name: Figure 3 - Chromalloy Overburden Groundwater Monitoring Map



LEGEND

- FORMER CHROMALLOY FACILITY PROPERTY
- NHD STREAM
- GROUNDWATER ELEVATION CONTOUR (4' INTERVALS)
- GROUNDWATER FLOW DIRECTION
- BEDROCK MONITORING WELL
- OVERBURDEN MONITORING WELL
- RECOVERY WELL
- ABANDONED MONITORING WELL
- SAMPLED WELL

NOTES:

- POTENTIOMETRIC SURFACE ELEVATIONS WERE COLLECTED ON AUGUST 2, 2021.
- GROUNDWATER SAMPLES WERE COLLECTED ON AUGUST 3 TO 4, AND AUGUST 11, 2021.
- SAMPLES COLLECTED FROM HIGHLIGHTED WELLS WERE SUBMITTED FOR LABORATORY ANALYSIS OF VOCs.
- ONLY SAMPLES FROM MW-1A, MW-2A, MW-3A, MW-4A, AND MW-5A WERE SUBMITTED FOR THE ADDITIONAL ANALYSIS OF SVOCs, PCBs, PESTICIDES, HERBICIDES, METALS, AND CYANIDE.
- BASE MAP IS FROM NEARMAP IMAGERY.
- DATA SOURCES: TRC.

FOR FIGURE CLARITY:

- CONSTITUENTS AND INDIVIDUAL COMPOUNDS NOT SHOWN WERE EITHER NOT DETECTED OR DID NOT EXCEED THEIR RESPECTIVE GWQS.
- LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED, REFER TO THE SUMMARY DATA TABLES FOR ANALYTICAL DETAILS REGARDING QUALIFIERS.

LIST OF ACRONYMS:

UG/L - MICROGRAMS PER LITER
GWQS - NYSDEC TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER, JUNE 1998
PCBS - POLY CHLORINATED BIPHENYLS
SVOCs - SEMI-VOLATILE ORGANIC COMPOUNDS
UTL - UNABLE TO LOCATE
VOCs - VOLATILE ORGANIC COMPOUNDS



1:4,200

1" = 350'

0 350 700 FEET

PROJECT: SEQUA CORPORATION
FORMER CHROMALLOY FACILITY
WEST NYACK, ROCKLAND COUNTY, NEW YORK
NYSDEC SITE NO. 344039

TITLE: OVERBURDEN GROUNDWATER MONITORING
MAP - AUGUST 2021

DRAWN BY: L. LILL PROJ. NO.: 190273.2021.0000

CHECKED BY: J. KING

APPROVED BY: J. LAROCK

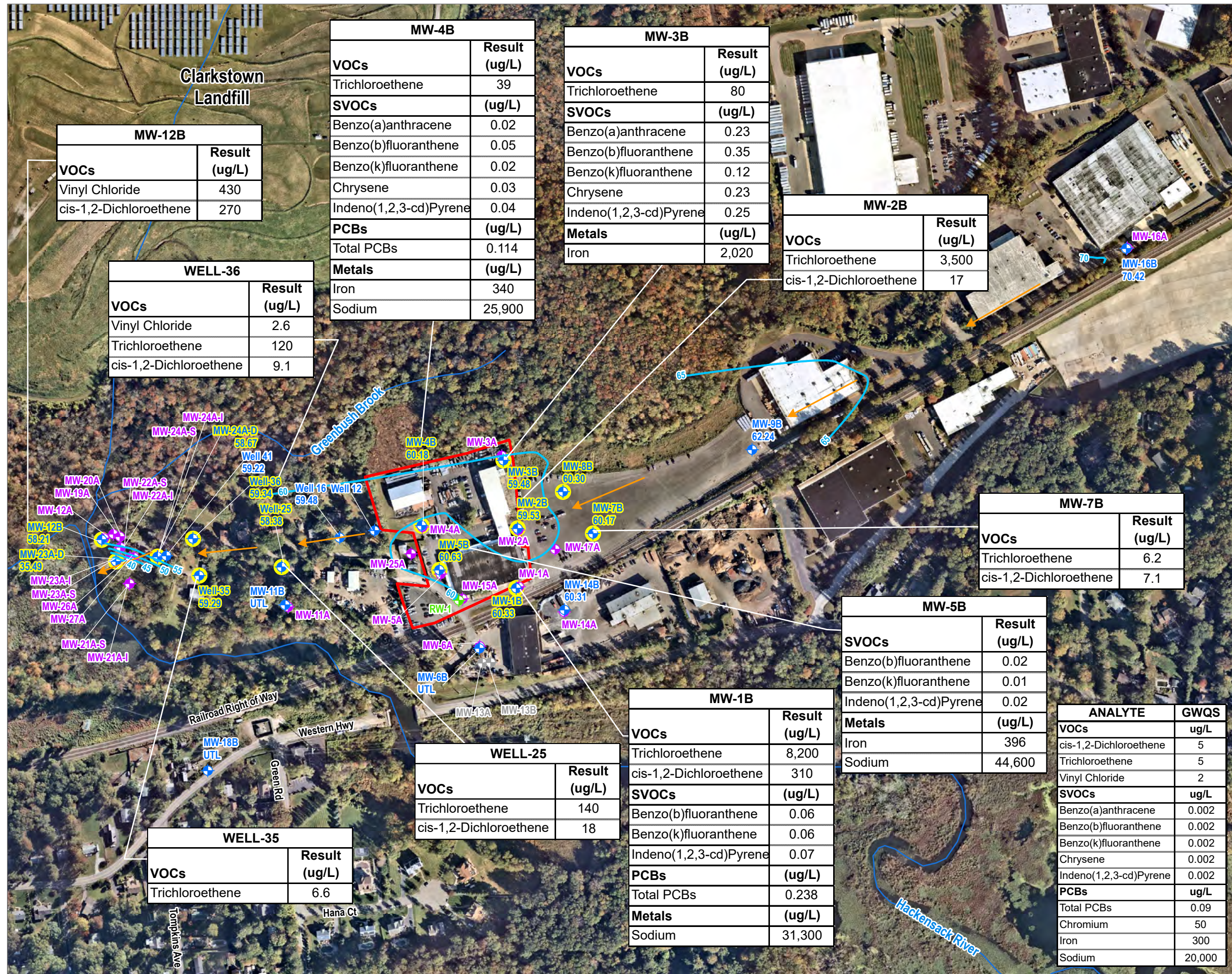
DATE: DECEMBER 2021

FIGURE 3



10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190

FILE: overburden\flow.aprx



LEGEND

- FORMER CHROMALLOY FACILITY PROPERTY
- GROUNDWATER ELEVATION CONTOUR (5' INTERVALS)
- NHD STREAM
- GROUNDWATER FLOW DIRECTION
- BEDROCK MONITORING WELL
- OVERBURDEN MONITORING WELL
- RECOVERY WELL
- ABANDONED MONITORING WELL
- SAMPLED WELL

NOTES:

- POTENTIOMETRIC SURFACE ELEVATIONS WERE COLLECTED ON AUGUST 2, 2021.
- GROUNDWATER SAMPLES WERE COLLECTED ON AUGUST 3 TO 4, AND AUGUST 11, 2021.
- SAMPLES COLLECTED FROM HIGHLIGHTED WELLS WERE SUBMITTED FOR LABORATORY ANALYSIS OF VOCs.
- ONLY SAMPLES FROM MW-1B, MW-2B, MW-3B, MW-4B, AND MW-5B WERE SUBMITTED FOR THE ADDITIONAL ANALYSIS OF SVOCs, PCBs, PESTICIDES, HERBICIDES, METALS, AND CYANIDE.
- BASE MAP IS FROM NEARMAP IMAGERY.
- DATA SOURCES: TRC.

FOR FIGURE CLARITY:

- CONSTITUENTS AND INDIVIDUAL COMPOUNDS NOT SHOWN WERE EITHER NOT DETECTED OR DID NOT EXCEED THEIR RESPECTIVE GWQS.
- LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED, REFER TO THE SUMMARY DATA TABLES FOR ANALYTICAL DETAILS REGARDING QUALIFIERS.

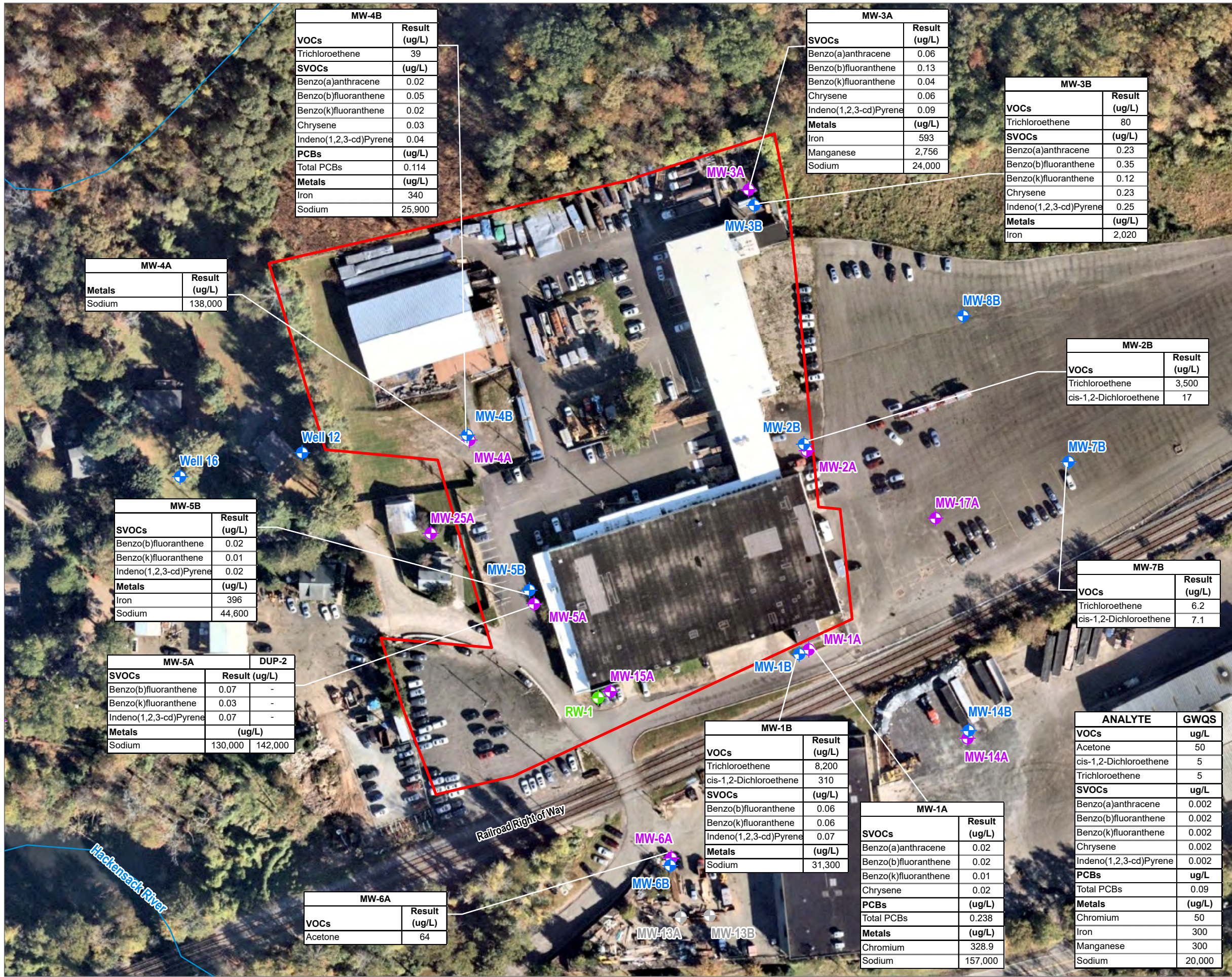
LIST OF ACRONYMS:
UG/L - MICROGRAMS PER LITER
GWQS - NYSDEC TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER, JUNE 1998
PCBS - POLY CHLORINATED BIPHENYLS
SVOCs - SEMI-VOLATILE ORGANIC COMPOUNDS
UTL - UNABLE TO LOCATE
VOCs - VOLATILE ORGANIC COMPOUNDS



1:4,200
1" = 350'
0 350 700 FEET

PROJECT: SEQUA CORPORATION FORMER CHROMALLOY FACILITY WEST NYACK, ROCKLAND COUNTY, NEW YORK NYSDEC SITE NO. 344039	
TITLE: BEDROCK GROUNDWATER MONITORING MAP - AUGUST 2021	
DRAWN BY: L. LILL	PROJ. NO.: 190273.2021.0000
CHECKED BY: J. KING	FIGURE 4
APPROVED BY: J. LAROCK	
DATE: DECEMBER 2021	
 10 Maxwell Drive Clifton Park, NY 12065 Phone: 518-348-1190	
FILE: bedrockgwflow.aprx	

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet, Map Rotation: -90
-- Saved By: LILL on 1/17/2022, 15:10:11 PM, File Path: T:\PROJECTS\Sequa\2-APR\exceedingresults.aprx, Layout Name: Figure 5 - Chromalloy Exceeding Results



LEGEND

- FORMER CHROMALLOY FACILITY PROPERTY
- NHD STREAM
- BEDROCK MONITORING WELL
- OVERBURDEN MONITORING WELL
- RECOVERY WELL
- ABANDONED MONITORING WELL

NOTES:

1. GROUNDWATER SAMPLES WERE COLLECTED ON AUGUST 3 TO 4, AND AUGUST 11, 2021.
2. ALL SAMPLES COLLECTED WERE SUBMITTED FOR LABORATORY ANALYSIS OF VOCs.
3. ONLY SAMPLES FROM MW-1A, MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-4A, MW-4B, MW-5A, AND MW-5B WERE SUBMITTED FOR THE ADDITIONAL ANALYSIS OF SVOCs, PCBs, PESTICIDES, HERBICIDES, METALS, AND CYANIDE.
4. BASE MAP IS FROM NEARMAP IMAGERY.
5. DATA SOURCES: TRC.

FOR FIGURE CLARITY:

1. CONSTITUENTS AND INDIVIDUAL COMPOUNDS NOT SHOWN WERE EITHER NOT DETECTED OR DID NOT EXCEED THEIR RESPECTIVE GWQS.
2. LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED, REFER TO THE SUMMARY DATA TABLES FOR ANALYTICAL DETAILS REGARDING QUALIFIERS.

LIST OF ACRONYMS:

UG/L - MICROGRAMS PER LITER
GWQS - NYSDEC TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER, JUNE 1998
PCBS - POLY CHLORINATED BIPHENYLS
SVOCs - SEMI-VOLATILE ORGANIC COMPOUNDS
VOCs - VOLATILE ORGANIC COMPOUNDS



1:1,200

1" = 100'

0 100 200 FEET

PROJECT:	SEQUA CORPORATION FORMER CHROMALLOY FACILITY WEST NYACK, ROCKLAND COUNTY, NEW YORK NYSDEC SITE NO. 344039	
TITLE:	SITE EXCEEDING GROUNDWATER CONCENTRATION MAP - AUGUST 2021	
DRAWN BY:	L. LILL	PROJ. NO.: 190273.2021.0000
CHECKED BY:	J. KING	FIGURE 5
APPROVED BY:	J. LAROCK	
DATE:	JANUARY 2022	
TRC		10 Maxwell Drive Clifton Park, NY 12065 Phone: 518-348-1190
FILE:	exceedingresults.aprx	

APPENDIX A
GROUNDWATER SAMPLING LOGS

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-1A	SAMPLE TIME 11:35

LOCATION ID MW-1A	DATE 8/4/2021
START TIME 10:55	END TIME 11:40
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	7.88 FT	FINAL DTW (BMP)	8.25 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	18.25 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	10.37 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.06 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.70 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.28 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:55	BEGIN PURGING									
11:10	8.18	250	19.60	0.754	5.83	12.85	31.9	105	13	
11:15	8.2	250	19.68	0.745	5.83	11.95	29.1	104	13	
11:20	8.24	250	19.57	0.736	5.84	11.64	22.9	105	13	
11:25	8.25	250	19.67	0.732	5.84	11.44	21.5	105	13	
11:30	8.25	250	19.74	0.730	5.83	11.27	19.5	105	13	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	20	0.73	5.8	11.2	19.5	110
--	----	------	-----	------	------	-----

EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING	☐ OTHER _____	☒ PUMP Peri pump	
☐ OTHER _____		☐ METHANOL		☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	
☐ OTHER _____		☐ OTHER _____		☐ OTHER _____	☐ OTHER _____	☐ FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-1B	SAMPLE TIME 15:20

LOCATION ID MW-1B	DATE 8/3/2021
START TIME 14:40	END TIME 15:25
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	27.98 FT	FINAL DTW (BMP)	27.95 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	68.00 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	40.02 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	-0.02 GAL	PID WELL MOUTH	96.6 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	26.25 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.46 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:40	BEGIN PURGING									
14:55	27.92	50	27.26	0.708	7.36	8.96	26.8	205	65	
15:00	27.95	50	28.04	0.725	7.36	8.12	5.4	200	65	
15:05	27.95	50	28.22	0.728	7.33	7.95	3.7	195	65	
15:10	27.95	50	28.23	0.732	7.33	7.89	4.1	191	65	
15:15	27.95	50	28.23	0.736	7.32	7.87	4.1	187	65	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	28	0.736	7.3	7.9	4.1	190
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52
	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52
☐ WATERRA	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-2A	SAMPLE TIME 12:30

LOCATION ID MW-2A	DATE 8/11/2021
START TIME 11:50	END TIME 12:35
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
☐	☒	☐
☒	☐	☐
☐	☐	☒
☒	☐	☐

INITIAL DTW (BMP) 13.15 FT	FINAL DTW (BMP) 14.07 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 22.75 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 9.60 FT	DRAWDOWN VOLUME 0.15 GAL (final DTW - initial DTW X well diam. squared X 0.041)	PID WELL MOUTH 0 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL 1.57 GAL (column X well diameter squared X 0.041)	TOTAL VOL. PURGED 2.93 GAL (mL per minute X total minutes X 0.00026 gal/mL)	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:50	BEGIN PURGING									
12:05	13.81	250	19.46	0.069	5.21	0.35	1.6	247	21	
12:10	13.94	250	19.47	0.068	5.11	0.31	3.0	254	21	
12:15	13.98	250	19.88	0.067	5.08	0.31	0.9	264	21	
12:20	14.00	250	20.11	0.066	5.06	0.30	0.3	271	21	
12:25	14.02	250	19.74	0.065	5.06	0.20	1.6	274	21	
12:30	14.06	250	19.75	0.065	5.07	0.21	0.6	274	21	
12:35	14.07	250	19.76	0.065	5.07	0.23	1.1	274	21	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	19.76	0.065	5.07	0.23	1.1	274
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron				
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000				
☐ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52				
☐ WATERRA	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52				
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Peri-pump				
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER				
☐ OTHER	☐ OTHER	☐ OTHER	☐ OTHER				
		FILTERS NO. _____ TYPE _____					

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: _____ Print Name: Taylor Shanley

Checked By: Justin King Date: 9/1/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-2B	SAMPLE TIME 16:50

LOCATION ID MW-2B	DATE 8/3/2021
START TIME 16:05	END TIME 16:55
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
☐	☒	☐
☒	☐	☐
☒	☐	☒
☒	☐	☐

INITIAL DTW (BMP) 23.98 FT	FINAL DTW (BMP) 24.00 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 68.91 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 44.93 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041) 0.01 GAL	PID WELL MOUTH 10.1 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 29.47 GAL	TOTAL VOL. PURGED 0.59 GAL	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
16:05	BEGIN PURGING									
16:20	24.00	50	25.89	1.09	7.56	9.07	61.2	109	65	
16:25	24.00	50	23.80	1.11	7.43	8.70	60.6	76	65	
16:30	24.00	50	22.51	1.13	7.29	8.51	53.8	80	65	
16:35	24.00	50	22.16	1.14	7.22	8.59	55.6	886	65	
16:40	24.00	50	21.72	1.15	7.18	8.52	48.6	93	65	
16:45	24.00	50	21.35	1.15	7.13	8.59	39.4	101	65	
16:50	24.00	50	21.27	1.14	7.12	8.61	39.0	98	65	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[Sf])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

21	1.14	7.1	8.6	39	98
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron				
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000				
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52				
☐ WATERRA	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52				
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump				
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER				
☐ OTHER	☐ OTHER	☐ OTHER	☐ OTHER				
		FILTERS NO. _____ TYPE _____					

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-3A	SAMPLE TIME 8:45

LOCATION ID MW-3A	DATE 8/4/2021
START TIME 7:50	END TIME 9:00
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☐	☒
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	4.69 FT	FINAL DTW (BMP)	6.37 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	15.45 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	10.76 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.28 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.76 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
7:50	BEGIN PURGING									
8:15	6.37	250	18.48	0.091	5.81	11.73	150	-19	13	
8:20	6.37	250	18.85	0.093	5.82	11.58	144	13	13	
8:25	6.37	250	19.07	0.099	5.82	11.45	150	31	13	
8:30	6.37	250	19.37	0.118	5.87	11.4	147	51	13	
8:35	6.37	250	19.43	0.127	5.85	11.21	139	54	13	
8:40	6.37	250	19.58	0.132	5.81	11.13	134	58	13	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	20	0.132	5.8	11.1	134	58
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING	☐ OTHER _____	☒ PUMP Peri pump	
☐ OTHER _____		☐ METHANOL		☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	
☐ OTHER _____		☐ OTHER _____		☐ OTHER _____	☐ OTHER _____	☐ FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-3B	SAMPLE TIME 10:15

LOCATION ID MW-3B	DATE 8/3/2021
START TIME 9:15	END TIME 10:20
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
☒	☐	☐
☒	☐	☒
☒	☐	☐

INITIAL DTW (BMP) 9.20 FT	FINAL DTW (BMP) 9.88 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 52.30 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 43.10 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041) 0.45 GAL	PID WELL MOUTH 2.5 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 28.27 GAL	TOTAL VOL. PURGED 0.72 GAL	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:15	BEGIN PURGING									
9:30	9.89	50	15.87	0.575	7.37	11.86	120	229	50	
9:35	9.94	50	15.80	0.574	7.47	11.75	111	229	50	
9:40	9.92	50	15.71	0.572	7.37	11.60	119	229	50	
9:45	9.89	50	15.67	0.569	7.50	11.49	116	230	50	
9:50	9.87	50	15.63	0.568	7.50	11.34	90.3	225	50	
9:55	9.89	50	15.58	0.567	7.50	11.60	83.0	227	50	
10:00	9.86	50	15.55	0.566	7.50	11.34	73.1	227	50	
10:05	9.88	50	15.47	0.566	7.51	11.21	75.2	228	50	
10:10	9.88	50	15.43	0.567	7.50	11.17	74.4	227	50	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	15	0.567	7.5	11.2	74.4	230	TEMP.: nearest degree (ex. 10.1 = 10) COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696) pH: nearest tenth (ex. 5.53 = 5.5) DO: nearest tenth (ex. 3.51 = 3.5) TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101) ORP: 2 SF (44.1 = 44, 191 = 190)			
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☐ PERISTALTIC	☒	☐ LIQUINOX	☒	☐ SILICON TUBING	☐	☒ WL METER	Heron
☐ SUBMERSIBLE	☒	☐ DEIONIZED WATER	☒	☐ TEFLON TUBING	☐	☒ PID	MiniRAE 3000
☒ BLADDER	☐	☐ POTABLE WATER	☐	☐ TEFLON LINED TUBING	☐	☒ WQ METER	Horiba U-52
☐ WATTERA	☐	☐ NITRIC ACID	☒	☐ HDPE TUBING	☐	☒ TURB. METER	Horiba U-52
☐ OTHER	☐	☐ HEXANE	☐	☐ LDPE TUBING	☐	☒ PUMP	Bladder pump
☐ OTHER	☐	☐ METHANOL	☐	☐ OTHER	☐	☐ OTHER	_____
☐ OTHER	☐	☐ OTHER	☐	☐ OTHER	☐	☐ FILTERS	NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO ₃	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-4A	SAMPLE TIME 11:20

LOCATION ID MW-2A	DATE 8/11/2021
START TIME 10:30	END TIME 11:20
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
	☒	
CAP	☒	
CASING		
LOCKED		☒
COLLAR	☒	

INITIAL DTW (BMP)	7.85 FT	FINAL DTW (BMP)	8.62 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	15.30 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	7.45 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.13 GAL	PID WELL MOUTH	0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.22 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.93 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:30	BEGIN PURGING									
10:45	8.65	250	21.75	1.18	6.48	2.28	39.4	93	14	
10:50	8.90	250	20.14	1.03	6.31	2.21	32.0	113	14	
10:55	8.83	250	20.85	1.04	6.30	1.69	16.8	138	14	
11:00	8.70	250	21.17	1.06	6.29	1.62	6.0	141	14	
11:05	8.67	250	21.15	1.06	6.30	1.36	4.1	153	14	
11:10	8.65	250	21.14	1.06	6.31	1.31	3.4	160	14	
11:15	8.62	250	21.06	1.07	6.30	1.34	3.4	163	14	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	21.06	1.07	6.3	1.34	3.4	163
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☒ LIQUINOX		☐ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER	Heron
☐ SUBMERSIBLE		☒ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID	MiniRAE 3000
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER	Horiba U-52
		☐ NITRIC ACID	☒	☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER	Horiba U-52
☐ WATTERA		☐ HEXANE		☐ LDPE TUBING	☐ OTHER	☒ PUMP	Peri-pump
☐ OTHER		☐ METHANOL		☐ OTHER	☐ OTHER	☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER	☐ OTHER	☐ FILTERS	NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: _____ Print Name: Taylor Shanley

Checked By: Justin King Date: 9/1/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-4B	SAMPLE TIME 11:30

LOCATION ID MW-4B	DATE 8/3/2021
START TIME 10:45	END TIME 11:35
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☐	☒
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	24.60 FT	FINAL DTW (BMP)	24.50 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	67.85 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	43.25 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	-0.07 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	38.37 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.59 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:45	BEGIN PURGING									
11:00	25.20	50	19.18	1.01	7.61	11.56	42.4	215	65	
11:05	25.40	50	18.97	1.01	7.66	11.02	37.5	205	65	
11:10	25.00	50	18.99	1.02	7.60	10.15	31.2	178	65	
11:15	24.40	50	19.51	1.03	7.54	9.80	28.4	167	65	
11:20	24.50	50	20.45	1.040	7.50	9.51	13.1	159	65	
11:25	24.60	50	20.72	1.04	7.50	9.49	15.6	156	65	
11:30	24.50	50	20.89	1.04	7.50	9.47	14.4	154	65	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	21	1.04	7.5	9.5	14.4	150
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52
	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52
☐ WATERRA	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-5A	SAMPLE TIME 10:10

LOCATION ID MW-5A	DATE 8/4/2021
START TIME 9:10	END TIME 10:50
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
	☒	
CAP	☒	
CASING	☒	
LOCKED		☒
COLLAR	☒	

INITIAL DTW (BMP)	7.46 FT	FINAL DTW (BMP)	7.47 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	15.56 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	8.10 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.002 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.33 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.58 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:10	BEGIN PURGING									
9:30	7.47	250	20.03	1.07	5.92	11.02	132	141	13	
9:35	7.47	250	19.90	1.07	5.90	10.78	118	138	13	
9:40	7.47	250	19.79	1.07	5.90	10.65	90.2	136	13	
9:45	7.47	250	19.74	1.07	5.90	10.55	74.3	135	13	
9:50	7.47	250	19.89	1.07	5.91	10.33	61.5	132	13	
9:55	7.47	250	19.79	1.07	5.90	10.23	48.2	133	13	
10:00	7.47	250	19.85	1.07	5.89	10.13	46.1	133	13	
10:05	7.47	250	19.86	1.07	5.90	10.05	44.7	132	13	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	20	1.07	5.9	10.1	44.7	130
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING		☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING		☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING		☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING		☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING		☒ PUMP Peri pump	
☐ OTHER		☐ METHANOL		☐ OTHER		☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER		☐ FILTERS NO. TYPE	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	Yes	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	Yes	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	Yes	See COC
☒ Herbicides	8151A	No	None	1L	Yes	Yes	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	Yes	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	Yes	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	Yes	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-5B	SAMPLE TIME 14:15

LOCATION ID MW-5B	DATE 8/3/2021
START TIME 13:35	END TIME 14:20
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☐	☒
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	23.30 FT	FINAL DTW (BMP)	23.20 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	67.30 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	44.00 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	-0.02 GAL	PID WELL MOUTH	15.9 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	7.22 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.52 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:35	BEGIN PURGING									
13:55	23.20	50	25.74	0.714	7.37	9.79	60.9	204	65	
14:00	23.20	50	23.32	0.761	7.32	9.76	48.3	190	65	
14:05	23.20	50	23.06	0.778	7.30	9.69	41.8	140	65	
14:10	23.20	50	22.4	0.781	7.29	9.65	39.8	134	65	
14:15	23.20	50	22.32	0.785	7.28	9.64	39.67	132	65	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	22	0.785	7.3	9.6	39.7	130
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ S. STEEL PUMP MATERIAL	☒ WL METER Heron			
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000			
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52			
	☐ NITRIC ACID	☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52			
☐ WATERRA	☐ HEXANE	☐ LDPE TUBING	☐ OTHER _____	☒ PUMP Bladder pump			
☐ OTHER _____	☐ METHANOL	☐ OTHER _____	☐ OTHER _____	☐ OTHER _____			
☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	☐ FILTERS NO. _____ TYPE _____			

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☒ TCL SVOCs	8270D	No	None	250 mL	Yes	No	See COC
☒ TCL Pesticides	8081B	No	None	120 mL	Yes	No	See COC
☒ Herbicides	8151A	No	None	1L	Yes	No	See COC
☒ Cyanide	SM 4500	No	NaOH	250 mL	Yes	No	See COC
☒ TCL PCBs	8082A	No	None	120 mL	Yes	No	See COC
☒ TAL Metals	6010D	No	HNO3	250 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-6A	SAMPLE TIME 16:50

LOCATION ID MW-6A	DATE 8/3/2021
START TIME 15:55	END TIME 16:55
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	14.35 FT	FINAL DTW (BMP)	15.94 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
15:55	BEGIN PURGING									
16:10	14.81	250	19.17	2.76	6.26	13.58	570	99	18	
16:15	14.99	250	18.63	2.88	6.24	12.14	540	95	18	
16:20	15.25	250	18.99	3.00	6.23	11.37	487	92	18	
16:25	15.40	250	18.98	3.03	6.19	11.32	469	92	18	
16:30	15.55	250	18.86	3.11	6.16	11.23	434.0	91	18	
16:35	15.69	250	18.88	3.16	6.15	11.07	425	91	18	
16:40	15.83	250	18.92	3.20	6.13	11.06	414	89	18	
16:45	15.94	250	19.09	3.22	6.13	11.04	407	89	18	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	19	3.22	6.1	11.0	407	89	
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52	
☐ WATERRA		☐ NITRIC ACID	☒	☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52	
☐ OTHER		☐ HEXANE		☐ LDPE TUBING	☐ OTHER	☒ PUMP Peri pump	
☐ OTHER		☐ METHANOL		☐ OTHER	☐ OTHER	☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER	☐ OTHER	☐ FILTERS NO. TYPE	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-7B	SAMPLE TIME 12:55

LOCATION ID MW-7B	DATE 8/4/2021
START TIME 12:05	END TIME 12:55
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

YES	NO	N/A
☒	☐	☐
☒	☐	☐
☒	☐	☒
☒	☐	☐

INITIAL DTW (BMP) 24.82 FT	FINAL DTW (BMP) 24.86 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 65.30 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 40.48 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041) 0.04 GAL	PID WELL MOUTH 0.1 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 26.55 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL) 0.59 GAL	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
12:05	BEGIN PURGING									
12:20	24.83	50	18.72	0.727	7.55	8.33	32.1	61	60	
12:25	24.84	50	18.69	0.727	7.54	8.27	28.4	64	60	
12:30	24.85	50	18.67	0.726	7.53	8.23	26	64	60	
12:35	24.85	50	18.58	0.728	7.50	8.08	18.3	69	60	
12:40	24.86	50	18.59	0.728	7.48	7.89	17.7	72	60	
12:45	24.86	50	18.6	0.728	7.48	7.85	17.2	72	60	
12:50	24.86	50	18.61	0.727	7.46	7.82	17.7	74	60	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	19	0.727	7.5	7.8	17.7	74
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52
	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52
☐ WATERRA	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☐							
☐							
☐							
☐							
☐							
☐							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-8B	SAMPLE TIME 14:00

LOCATION ID MW-8B	DATE 8/4/2021
START TIME 13:20	END TIME 14:00
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☐	☒
COLLAR	☒	☐	☐

INITIAL DTW (BMP) 15.70 FT	FINAL DTW (BMP) 15.75 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 61.06 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 45.36 FT	DRAWDOWN VOLUME 0.03 GAL (final DTW - initial DTW X well diam. squared X 0.041)	PID WELL MOUTH 0.0 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL 29.76 GAL (column X well diameter squared X 0.041)	TOTAL VOL. PURGED 0.46 GAL (mL per minute X total minutes X 0.00026 gal/mL)	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:20	BEGIN PURGING									
13:35	15.75	50	17.46	0.212	7.28	9.55	10.5	76	60	
13:40	15.75	50	17.17	0.213	7.44	9.53	10.9	82	60	
13:45	15.75	50	16.89	0.216	7.52	8.51	12.3	83	60	
13:50	15.75	50	16.87	0.219	7.53	8.48	8.9	83	60	
13:55	15.75	50	16.84	0.221	7.55	8.44	7.6	83	60	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	17	0.221	7.6	8.4	7.6	83
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52
☐ WATTERA	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER
	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-12B	SAMPLE TIME 9:15

LOCATION ID MW-12B	DATE 8/4/2021
START TIME 8:30	END TIME 9:15
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY
YES NO N/A
CAP _____
CASING _____
LOCKED _____
COLLAR _____

INITIAL DTW (BMP) 3.55 FT	FINAL DTW (BMP) 3.54 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE _____ FT
WELL DEPTH (BMP) 128.00 FT	SCREEN LENGTH _____ FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 124.45 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041) -0.01 GAL	PID WELL MOUTH 0.0 PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 81.64 GAL	TOTAL VOL. PURGED 0.52 GAL (mL per minute X total minutes X 0.00026 gal/mL)	DRAWDOWN/ TOTAL PURGED _____	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
8:30	BEGIN PURGING									
8:45	3.54	50	16.97	0.372	7.35	10.99	18.2	-102	100	
8:50	3.54	50	16.80	0.370	7.31	10.63	21.8	-100	100	
8:55	3.54	50	16.52	0.369	7.32	10.46	12.8	-100	100	
9:00	3.54	50	16.36	0.367	7.33	10.35	9.6	-100	100	
9:05	3.54	50	16.32	0.367	7.34	10.34	6.2	-101	100	
9:10	3.54	50	16.24	0.367	7.35	10.31	3.7	-104	100	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

16	0.367	7.4	10.2	3.7	-100
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron			
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000			
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52			
☐ WATERRA	☐ NITRIC ACID	☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52			
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☐ OTHER	☒ PUMP Bladder pump			
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER			
☐ OTHER	☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____			

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-21A-S	SAMPLE TIME 12:10

LOCATION ID MW-21A-S	DATE 8/3/2021
START TIME 11:20	END TIME 12:15
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	3.83 FT	FINAL DTW (BMP)	5.87 FT	PROT. CASING STICKUP (AGS)	FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	15.16 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	11.33 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.33 GAL	PID WELL MOUTH	6.4 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.86 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.93 GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:20	BEGIN PURGING									
11:35	4.09	250	16.36	0.332	6.22	11.70	124	-25	14	
11:40	4.86	250	16.30	0.331	6.21	11.33	121	-28	14	
11:45	5.35	250	16.27	0.328	6.20	11.21	104	-28	14	
11:50	5.62	250	16.45	0.326	6.19	11.09	83.7	-28	14	
11:55	5.74	250	16.71	0.325	6.18	10.93	68.0	-27	14	
12:00	5.80	250	16.87	0.311	6.21	10.89	66.3	-25	14	
12:05	5.87	250	16.88	0.323	6.16	10.86	63.9	-23	14	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	17	0.323	6.2	10.9	63.9	-23
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING	☐ OTHER _____	☒ PUMP Peri pump	
☐ OTHER _____		☐ METHANOL		☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	
☐ OTHER _____		☐ OTHER _____		☐ OTHER _____	☐ OTHER _____	☐ FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-23A-S	SAMPLE TIME 11:15

LOCATION ID MW-23A-S	DATE 8/3/2021
START TIME 10:35	END TIME 11:20
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	4.98 FT	FINAL DTW (BMP)	5.09 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	16.85 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	11.87 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.02 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	1.94 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.28 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:35	BEGIN PURGING									
10:50	5.09	250	19.64	0.259	6.26	9.98	45.0	-64	15	
10:55	5.09	250	19.45	0.256	6.24	9.78	45.0	-61	15	
11:00	5.10	250	19.42	0.25	6.24	9.71	41.9	-60	15	
11:05	5.08	250	19.40	0.249	6.22	9.65	38.9	-59	15	
11:10	5.09	250	19.39	0.245	6.22	9.62	39.2	-57	15	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	19	0.245	6.2	9.6	39.2	-57
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING		☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING		☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING		☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING		☒ TURB. METER Horiba U-52	
☐ WATTERA		☐ HEXANE		☐ LDPE TUBING		☒ PUMP Peri pump	
☐ OTHER		☐ METHANOL		☐ OTHER		☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER		☐ FILTERS	NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-23A-D	SAMPLE TIME 10:25

LOCATION ID MW-23A-D	DATE 8/3/2021
START TIME 9:35	END TIME 10:30
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	15.25 FT	FINAL DTW (BMP)	14.75 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	41.35 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	26.10 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	-0.08 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	4.28 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.58 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	BEGIN PURGING									
9:55	15.16	250	19.38	0.170	6.34	10.68	46.0	18	35	
10:00	15.09	250	19.16	0.188	6.32	10.44	38.4	-24	35	
10:05	15.12	250	18.96	0.257	6.41	11.21	38.7	-72	35	
10:10	14.90	250	18.81	0.322	6.30	10.29	32.1	-92	35	
10:15	14.89	250	18.75	0.355	6.28	10.21	29.1	-95	35	
10:20	14.75	250	18.67	0.368	6.23	10.10	33.1	-99	35	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	19	0.368	6.2	10.1	33.1	-99
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING		☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING		☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING		☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING		☒ TURB. METER Horiba U-52	
☐ WATTERA		☐ HEXANE		☐ LDPE TUBING		☒ PUMP Peri pump	
☐ OTHER		☐ METHANOL		☐ OTHER		☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER		☐ FILTERS	NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	Yes	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID MW-24A-D	SAMPLE TIME 14:15

LOCATION ID MW-24A-D	DATE 8/3/2021
START TIME 13:20	END TIME 14:20
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	10.22 FT	FINAL DTW (BMP)	10.22 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	43.14 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	32.92 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	5.40 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	3.25 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:20	BEGIN PURGING									
13:35	10.22	250	21.13	0.156	6.09	10.71	130	88	38	
13:45	10.22	250	15.30	0.195	6.08	13.41	99.3	99	38	
13:50	10.22	250	15.4	0.200	6.06	12.82	93.5	102	38	
13:55	10.22	250	15.45	0.203	6.05	12.61	101	103	38	
14:00	10.22	250	15.64	0.202	6.07	12.53	115	102	38	
14:05	10.22	250	16.14	0.200	6.06	12.47	118	101	38	
14:10	10.22	250	16.11	0.205	6.06	12.39	122	102	38	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	16	0.205	6.1	12.4	122	100
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING	☐ TEFLON BLADDER	☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING	☐ OTHER _____	☒ PUMP Peri pump	
☐ OTHER _____		☐ METHANOL		☐ OTHER _____	☐ OTHER _____	☐ OTHER _____	
☐ OTHER _____		☐ OTHER _____		☐ OTHER _____	☐ OTHER _____	☐ FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID WELL-25	SAMPLE TIME 11:40

LOCATION ID MW-25	DATE 8/4/2021
START TIME 10:50	END TIME 11:40
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	17.92 FT	FINAL DTW (BMP)	18.05 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	105.20 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	87.28 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.85 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	57.26 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	0.59 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
10:50	BEGIN PURGING									
11:05	18.02	50	14.58	0.594	7.77	10.87	52.6	-52	100	
11:10	18.07	50	14.51	0.595	7.73	10.74	51.4	-56	100	
11:15	18.07	50	14.21	0.597	7.54	9.51	46.9	-58	100	
11:20	18.06	50	14.16	0.598	7.54	9.33	45.0	-62	100	
11:25	18.05	50	14.13	0.598	7.52	9.12	45.8	-63	100	
11:30	18.05	50	14.12	0.598	7.51	9.03	46.6	-65	100	
11:35	18.05	50	14.10	0.598	7.50	9.01	49.0	-66	100	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	14	0.598	7.5	9.0	49.0	-66
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron				
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000				
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52				
☐ WATERRA	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52				
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump				
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER				
☐ OTHER	☐ OTHER	☐ OTHER	☐ OTHER				
		FILTERS NO. _____ TYPE _____					

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID WELL-35	SAMPLE TIME 15:25

LOCATION ID WELL-35	DATE 8/3/2021
START TIME 14:40	END TIME 15:30
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☒ 8 ☐ OTHER _____

TUBING ID (INCHES) ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☐	☒	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	8.72 FT	FINAL DTW (BMP)	8.75 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	48.91 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	40.19 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.08 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	105.46 GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	2.60 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:40	BEGIN PURGING									
14:55	8.75	250	23.56	0.131	6.14	10.12	52.4	47	35	
15:00	8.75	250	22.66	0.133	6.13	9.56	49.2	29	35	
15:05	8.75	250	22.28	0.134	6.09	9.57	51.7	24	35	
15:50	8.75	250	21.18	0.136	6.07	9.86	48.8	20	35	
15:15	8.75	250	21.34	0.136	6.07	9.69	50.1	17	35	
15:20	8.75	250	21.28	0.137	6.05	9.67	50.7	17	35	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[Sf])

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

	21	0.137	6.1	9.7	50.7	17
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EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC		☐ LIQUINOX		☒ SILICON TUBING		☒ WL METER Heron	
☐ SUBMERSIBLE		☐ DEIONIZED WATER		☐ TEFLON TUBING		☒ PID MiniRAE 3000	
☐ BLADDER		☐ POTABLE WATER		☐ TEFLON LINED TUBING		☒ WQ METER Horiba U-52	
		☐ NITRIC ACID		☒ HDPE TUBING		☒ TURB. METER Horiba U-52	
☐ WATERRA		☐ HEXANE		☐ LDPE TUBING		☒ PUMP Peri pump	
☐ OTHER		☐ METHANOL		☐ OTHER		☐ OTHER	
☐ OTHER		☐ OTHER		☐ OTHER		☐ FILTERS	NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES ☐ NO ☒

NO-PURGE METHOD UTILIZED YES ☐ NO ☐

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/3/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME Former Chromalloy	
PROJECT NUMBER 190273.2021.0000	
SAMPLE ID WELL-36	SAMPLE TIME 10:30

LOCATION ID WELL-36	DATE 8/4/2021
START TIME 9:35	END TIME 10:30
SITE NAME/NUMBER 344039	PAGE 1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☒ 4 ☐ 6 ☐ 8 ☐ OTHER _____

TUBING ID (INCHES) ☒ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER _____

MEASUREMENT POINT (MP) ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	☒	☐	☐
CASING	☒	☐	☐
LOCKED	☐	☒	☐
COLLAR	☒	☐	☐

INITIAL DTW (BMP)	12.75 FT	FINAL DTW (BMP)	12.75 FT	PROT. CASING STICKUP (AGS)	_____ FT	TOC/TOR DIFFERENCE	_____ FT
WELL DEPTH (BMP)	120.60 FT	SCREEN LENGTH	_____ FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	_____ SEC
WATER COLUMN	107.85 FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	0.00 GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	_____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	70.75 GAL	TOTAL VOL. PURGED	0.65 GAL	DRAWDOWN/ TOTAL PURGED	_____	PRESSURE TO PUMP	_____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:35	BEGIN PURGING									
9:50	12.75	50	16.81	0.223	7.51	15.61	22.3	-81	100	
9:55	12.75	50	16.72	0.221	7.50	14.34	17.1	-77	100	
10:00	12.75	50	16.77	0.218	7.50	9.87	16.2	-88	100	
10:05	12.75	50	16.81	0.217	7.50	9.03	15.3	-94	100	
10:10	12.75	50	16.79	0.216	7.50	8.72	17.9	-81	100	
10:15	12.75	50	17.78	0.215	7.51	8.65	19.3	-79	100	
10:20	12.75	50	17.83	0.215	7.51	8.60	20.2	-76	100	
10:25	12.75	50	17.95	0.217	7.51	8.58	18.3	-73	100	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

	18	0.217	7.5	8.6	18.3	-73
--	----	-------	-----	-----	------	-----

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
☐ PERISTALTIC	☒ LIQUINOX	☐ SILICON TUBING	☒ WL METER Heron
☐ SUBMERSIBLE	☒ DEIONIZED WATER	☐ TEFLON TUBING	☒ PID MiniRAE 3000
☒ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☒ WQ METER Horiba U-52
	☐ NITRIC ACID	☒ HDPE TUBING	☒ TURB. METER Horiba U-52
☐ WATERRA	☐ HEXANE	☐ LDPE TUBING	☒ PUMP Bladder pump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER
☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ TCL VOCs	8260	No	HCl	40 mL	Yes	No	See COC
☐							
☐							
☐							
☐							
☐							
☐							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED ☐ YES ☒ NO

NO-PURGE METHOD UTILIZED ☐ YES ☐ NO

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: *Lexie Lill* Print Name: Lexie Lill

Checked By: Justin King Date: 8/4/2021



LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

APPENDIX B
DATA USABILITY SUMMARY REPORTS



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2141727**

**19 Ground Water Samples, 2 Field Duplicates,
1 Equipment Blank, and 1 Trip Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses for 19 ground water samples, 2 field duplicates, 1 equipment blank, and 1 trip blank, and the results of semi-volatiles, SIM semi-volatiles, herbicides, PCBs, pesticides, TAL metals, and total cyanide analyses for 7 ground water samples, 1 field duplicate, and 1 equipment blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile results for vinyl chloride were qualified as “estimated” (J) in samples MW-23A-D, MW-23A-S, DUP-1, MW-21A-S, and MW-24A-D because the %D for vinyl chloride was above the allowable minimum in the associated continuing calibration.
- The positive volatile result for acetone was qualified as “estimated” (J) in samples MW-6A and MW-3A because the %D for acetone was above the allowable minimum in the associated continuing calibration.
- The positive volatile result for vinyl chloride was qualified as “estimated” (J) in sample MW-12B because the RPD for vinyl chloride was above the allowable minimum in the associated aqueous LCS/LCSD.
- The “not detected” volatile results for methyl acetate were qualified as “estimated” (UJ) in the following samples because 1 of 2 percent recoveries for methyl acetate was below QC limits, but not below 30% in the associated aqueous LCS/LCSD.

MW-23A-D	MW-23A-S	DUP-1	MW-21A-S
MW-24A-D	WELL-35	MW-6A	MW-3A
DUP-2	MW-1A	EQUIP_BLANK	TRIP BLANK
MW-3B			

- The “not detected” volatile results for 1,4-dioxane were qualified as “rejected, unusable” (R) in the following samples because the RRFs for 1,4-dioxane was below the allowable minimum in the associated continuing calibration.

MW-23A-D	MW-23A-S	DUP-1	MW-21A-S
MW-24A-D	WELL-35	MW-6A	MW-3A
DUP-2	MW-1A	EQUIP_BLANK	TRIP BLANK
MW-3B			

- The “not detected” semi-volatile results for 4-chloroaniline were qualified as “estimated” (UJ) in all 7 ground water samples, field duplicate, and equipment blank because 1 of 2 percent recoveries for 4-chloroaniline were below QC limits, but not below 30% in the associated aqueous LCS/LCSDs.
- The “not detected” semi-volatile results for 3,3-dichlorobenzidine were qualified as “rejected, unusable” (R) in samples MW-3B, MW-4B, MW-5B, and MW-1B because 2 of 2 percent recoveries for 3,3'-dichlorobenzidine were below QC limits and one below 30% in the associated aqueous LCS/LCSD.
- The “not detected” semi-volatile results for hexachlorocyclopentadiene were qualified as “rejected, unusable” (R) in samples MW-3A, MW-5A, MW-1A, DUP-2, and EQUIP_BLANK because 2 of 2 percent recoveries for hexachlorocyclopentadiene were below QC limits and one below 30% in the associated aqueous LCS/LCSD.
- The “not detected semi-volatile result for 2,4-dimethylphenol was qualified as “rejected, unusable” (R) in sample MW5A because 1 of 2 percent recoveries for 2,4-dimethylphenol was below QC limits and below 30% in the aqueous MS/MSD.
- Positive SIM semi-volatile results for phenanthrene were qualified as “not detected” (U) for samples MW-3A, DUP-2, MW-4B, and MW-1B because the level reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.

- Positive SIM semi-volatile results for 2-methylnaphthalene were qualified as “not detected” (U) for samples DUP-2 and MW-1B because the level reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.
- The positive PCB result for aroclor 1254 was qualified as “estimated, biased high” (J+) in sample MW-1A because the %RPD for dual column quantitation of aroclor 1254 was above the allowable maximum, but not above 70% and the higher results were reported.
- The positive PCB result for aroclor 1248 was qualified as “estimated, biased high” (J+) in sample MW-4B because the %RPD for dual column quantitation of aroclor 1248 was above the allowable maximum, but not above 70% and the higher results were reported.
- The positive metal results for antimony were qualified as estimated, biased low (J-) in samples MW-3A, MW-5A, and MW-4B because 2 of 2 percent recoveries for antimony were below control limits, but not below 30% in the associated aqueous MS/MSD sample.
- The “not detected” metal results for antimony were qualified as estimated (UJ) in samples DUP-2, MW-1A, EQUIP BLANK, MW-3B, MW-5B, and MW-1B because 2 of 2 percent recoveries for antimony were below control limits, but not below 30% in the associated aqueous MS/MSD sample.
- The positive metal results for aluminum and iron were qualified as estimated (J) in samples MW-5A and DUP-2 because the relative percent differences for aluminum and irons were above the allowable maximum in the aqueous field duplicate pair MW-5A/DUP-2.

All data that are not qualified rejected (R) are considered usable with estimated (J, J+, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-01
 Client ID : MW-23A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:48
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.21	1.0	0.07	J J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-01
 Client ID : MW-23A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:48
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-01
 Client ID : MW-23A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:48
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-02
 Client ID : MW-23A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:11
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	5.5	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-02
 Client ID : MW-23A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:11
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	4.2	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-02
 Client ID : MW-23A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:11
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-03
 Client ID : DUP-1
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:35
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.20	1.0	0.07	J J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-03
 Client ID : DUP-1
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:35
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-03
 Client ID : DUP-1
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:35
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-04
 Client ID : MW-21A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:58
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.35	1.0	0.07	J J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-04
 Client ID : MW-21A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:58
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	15	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.7	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-04
 Client ID : MW-21A-S
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 12:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:58
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-05
 Client ID : MW-24A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:21
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.6	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	0.56	0.50	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.18	1.0	0.07	J J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-05
 Client ID : MW-24A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:21
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.7	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.6	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-05
 Client ID : MW-24A-D
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:21
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-06
 Client ID : WELL-35
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:44
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-06
 Client ID : WELL-35
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:44
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	6.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-06
 Client ID : WELL-35
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:25
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 13:44
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-07
 Client ID : MW-6A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:08
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-07
 Client ID : MW-6A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:08
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	64	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-07
 Client ID : MW-6A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:08
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:31
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:31
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.4	5.0	1.5	J J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:31
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:26
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:26
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.34	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:26
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:54
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:54
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.34	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 14:54
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:17
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:17
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.2	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:17
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:41
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:41
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A23
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 15:41
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-13
 Client ID : TRIP BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 00:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:04
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-13
 Client ID : TRIP BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 00:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:04
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-13
 Client ID : TRIP BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A24
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 00:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:04
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A25
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:27
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.45	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A25
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:27
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	80	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	4.4	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U UJ
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U R



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V052107806A25
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 16:27
 Dilution Factor : 1
 Analyst : MKS
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:47
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.30	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.10	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:47
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	39	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.72	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 09:47
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:07
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.9	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:07
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.0	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.6	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:07
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17D
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A10
 Sample Amount : 0.1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:27
 Dilution Factor : 100
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	ND	250	70.	U
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	ND	50	18.	U
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	ND	250	70.	U
75-01-4	Vinyl chloride	ND	100	7.1	U
75-00-3	Chloroethane	ND	250	70.	U
75-35-4	1,1-Dichloroethene	ND	50	17.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17D
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A10
 Sample Amount : 0.1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:27
 Dilution Factor : 100
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	250	70.	U
79-01-6	Trichloroethene	8200	50	18.	
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	310	250	70.	
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	ND	500	150	U
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U
98-82-8	Isopropylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND	25000	6100	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17D
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A10
 Sample Amount : 0.1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:27
 Dilution Factor : 100
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-18D
 Client ID : MW-2B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A11
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:48
 Dilution Factor : 20
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	4.9	10	3.6	J
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	ND	20	1.4	U
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	ND	10	3.4	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-18D
 Client ID : MW-2B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A11
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:48
 Dilution Factor : 20
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	3500	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	17	50	14.	J
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-18D
 Client ID : MW-2B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A11
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 16:50
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:48
 Dilution Factor : 20
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-19D
 Client ID : MW-12B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A12
 Sample Amount : 5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 09:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:08
 Dilution Factor : 2
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	ND	1.0	0.36	U
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	0.49	1.0	0.26	J
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	420	2.0	0.14	E
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-19D
 Client ID : MW-12B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A12
 Sample Amount : 5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 09:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:08
 Dilution Factor : 2
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	1.1	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	270	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-19D
 Client ID : MW-12B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A12
 Sample Amount : 5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 09:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:08
 Dilution Factor : 2
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-19D2
 Client ID : MW-12B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210807A24
 Sample Amount : 1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 09:15
 Date Received : 08/04/21
 Date Analyzed : 08/07/21 16:17
 Dilution Factor : 10
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	430	10	0.71	J



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-20
 Client ID : WELL-36
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:29
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.38	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	2.6	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-20
 Client ID : WELL-36
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:29
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	120	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	9.1	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-20
 Client ID : WELL-36
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:29
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-21
 Client ID : WELL-25
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:40
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:49
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	2.9	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.27	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-21
 Client ID : WELL-25
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:40
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:49
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	140	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	18	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-21
 Client ID : WELL-25
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:40
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:49
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-22
 Client ID : MW-7B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 12:55
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:10
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.72	0.50	0.17	



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-22
 Client ID : MW-7B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 12:55
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:10
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	6.2	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	7.1	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-22
 Client ID : MW-7B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 12:55
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:10
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-23
 Client ID : MW-8B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:31
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-23
 Client ID : MW-8B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:31
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.53	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-23
 Client ID : MW-8B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VE210806A16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:00
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 12:31
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/12/21 13:16
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U R
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/12/21 13:16
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/12/21 13:16
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-09
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 13:43
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U R
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-09
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 13:43
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U R
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-09
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 13:43
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-10
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:27
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U R
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-10
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:27
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-10
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:27
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-11
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:53
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U R
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-11
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:53
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-11
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:53
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-12
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 16:19
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U R
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-12
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 16:19
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-12
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 16:19
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-14
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 01:02
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U R
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-14
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 01:02
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-14
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 01:02
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-15
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:24
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U R
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	1.1	5.0	0.39	J
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-15
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:24
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-15
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:24
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-16
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U R
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-16
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-16
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 13:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-17
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:11
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U R
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-17
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:11
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 41727-17
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:11
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-08
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 11:00
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	0.14	0.10	0.01	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.10	0.10	0.02	
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	3.0	0.10	0.05	
56-55-3	Benzo(a)anthracene	0.06	0.10	0.02	J
50-32-8	Benzo(a)pyrene	0.08	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.13	0.10	0.01	
207-08-9	Benzo(k)fluoranthene	0.04	0.10	0.01	J
218-01-9	Chrysene	0.06	0.10	0.01	J
208-96-8	Acenaphthylene	0.02	0.10	0.01	J
120-12-7	Anthracene	0.03	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	0.10	0.10	0.01	J
86-73-7	Fluorene	0.06	0.10	0.01	J
85-01-8	Phenanthrene	0.09	0.10	0.02	J U
53-70-3	Dibenzo(a,h)anthracene	0.02	0.10	0.01	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.09	0.10	0.01	J
129-00-0	Pyrene	0.10	0.10	0.02	
91-57-6	2-Methylnaphthalene	0.74	0.10	0.02	
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-09
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 11:20
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	0.06	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.07	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.03	0.10	0.01	J
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	0.10	0.10	0.01	
120-12-7	Anthracene	0.02	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	0.08	0.10	0.01	J
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.07	0.10	0.01	J
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-10
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 11:39
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.02	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.18	0.10	0.05	
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.02	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.02	0.10	0.01	J
85-01-8	Phenanthrene	0.03	0.10	0.02	J U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.02	0.10	0.02	J
91-57-6	2-Methylnaphthalene	0.05	0.10	0.02	J U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-11
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 11:59
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	0.23	0.10	0.01	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.06	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	3.6	0.10	0.05	
56-55-3	Benzo(a)anthracene	0.02	0.10	0.02	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.02	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.01	0.10	0.01	J
218-01-9	Chrysene	0.02	0.10	0.01	J
208-96-8	Acenaphthylene	0.04	0.10	0.01	J
120-12-7	Anthracene	0.04	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.13	0.10	0.01	
85-01-8	Phenanthrene	0.25	0.10	0.02	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.05	0.10	0.02	J
91-57-6	2-Methylnaphthalene	1.1	0.10	0.02	
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-12
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 12:19
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	0.03	0.10	0.02	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	0.02	0.10	0.02	J
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-14
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 15:36
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.37	0.10	0.02	
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.29	0.10	0.05	
56-55-3	Benzo(a)anthracene	0.23	0.10	0.02	
50-32-8	Benzo(a)pyrene	0.25	0.10	0.02	
205-99-2	Benzo(b)fluoranthene	0.35	0.10	0.01	
207-08-9	Benzo(k)fluoranthene	0.12	0.10	0.01	
218-01-9	Chrysene	0.23	0.10	0.01	
208-96-8	Acenaphthylene	0.07	0.10	0.01	J
120-12-7	Anthracene	0.07	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	0.26	0.10	0.01	
86-73-7	Fluorene	0.04	0.10	0.01	J
85-01-8	Phenanthrene	0.21	0.10	0.02	
53-70-3	Dibenzo(a,h)anthracene	0.04	0.10	0.01	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	0.10	0.01	
129-00-0	Pyrene	0.35	0.10	0.02	
91-57-6	2-Methylnaphthalene	0.15	0.10	0.02	
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-15
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 15:55
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	0.02	0.10	0.02	J
50-32-8	Benzo(a)pyrene	0.03	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.05	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.02	0.10	0.01	J
218-01-9	Chrysene	0.03	0.10	0.01	J
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.02	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	0.03	0.10	0.01	J
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	0.03	0.10	0.02	J U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	0.10	0.01	J
129-00-0	Pyrene	0.04	0.10	0.02	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-16
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 16:15
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.02	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.01	0.10	0.01	J
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	0.02	0.10	0.01	J
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	0.10	0.01	J
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 41727-17
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 16:34
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.03	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.09	0.10	0.05	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	0.02	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.06	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.06	0.10	0.01	J
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	0.07	0.10	0.01	J
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	0.07	0.10	0.02	J U
53-70-3	Dibenzo(a,h)anthracene	0.07	0.10	0.01	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.07	0.10	0.01	J
129-00-0	Pyrene	0.02	0.10	0.02	J
91-57-6	2-Methylnaphthalene	0.03	0.10	0.02	J U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210809a-16
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:40
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210809a-11
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:09
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210809a-17
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:58
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210809a-18
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 16:16
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210809a-19
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 16:34
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210810a-14
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:38
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210810a-15
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:56
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210810a-16
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 16:14
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8151A
 Lab File ID : 22210810a-17
 Sample Amount : 1000 ml
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 16:32
 Date Extracted : 08/07/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-13
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 14:57
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-09
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 14:26
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-14
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:05
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-15
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:13
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : CW
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-15
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:13
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : CW
 Instrument ID : PEST2
 GC Column : CLP-PesticideII
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.238	0.071	0.061	J+
1336-36-3	PCBs, Total	0.238	0.071	0.061	



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-16
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:20
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-17
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:28
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-18
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:36
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210810b-18
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/10/21 15:36
 Date Extracted : 08/09/21
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST2
 GC Column : CLP-PesticideII
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.114	0.071	0.061	J+
1336-36-3	PCBs, Total	0.114	0.071	0.061	



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210811a-11
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/11/21 10:24
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : CW
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8082A
 Lab File ID : P2210811a-12
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/11/21 10:32
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : CW
 Instrument ID : PEST2
 GC Column : CLP-Pesticide
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-16
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:04
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-16
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:04
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-13
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:31
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-13
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 14:31
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-17
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:15
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-17
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:15
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-18
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:26
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-11
 Client ID : MW-1A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-18
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:35
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:26
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-19
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:37
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-19
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:37
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210808a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 16:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210808a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 16:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210808a-08
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 14:07
 Date Extracted : 08/06/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210808a-08
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/08/21 14:07
 Date Extracted : 08/06/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-20
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:48
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-21
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:58
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8081B
 Lab File ID : 10210809a-21
 Sample Amount : 140 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/09/21 15:58
 Date Extracted : 08/08/21
 Dilution Factor : 1
 Analyst : KB
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U

Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-08
Client ID : MW-3A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 08:45
Date Received : 08/04/21
Date Analyzed : 08/17/21 16:42
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier	
		Results	RL	MDL		
7429-90-5	Aluminum, Total	0.136	0.0100	0.00327		
7440-36-0	Antimony, Total	0.00118	0.00400	0.00042	J	J-
7440-38-2	Arsenic, Total	0.00690	0.00050	0.00016		
7440-39-3	Barium, Total	0.4623	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	0.00015	0.00020	0.00005	J	
7440-70-2	Calcium, Total	24.5	0.100	0.0394		
7440-47-3	Chromium, Total	0.00074	0.00100	0.00017	J	
7440-48-4	Cobalt, Total	0.00693	0.00050	0.00016		
7440-50-8	Copper, Total	0.00447	0.00100	0.00038		
7439-89-6	Iron, Total	0.593	0.0500	0.0191		
7439-92-1	Lead, Total	0.00120	0.00100	0.00034		
7439-95-4	Magnesium, Total	3.73	0.0700	0.0242		
7439-96-5	Manganese, Total	2.756	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00673	0.00200	0.00055		
7440-09-7	Potassium, Total	2.23	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-23-5	Sodium, Total	24.0	0.100	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00244	0.00500	0.00157	J	
7440-66-6	Zinc, Total	0.1280	0.01000	0.00341		



Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-09
Client ID : MW-5A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 10:10
Date Received : 08/04/21
Date Analyzed : 08/17/21 15:23
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0552	0.0100	0.00327	J
7440-36-0	Antimony, Total	0.00097	0.00400	0.00042	J J-
7440-38-2	Arsenic, Total	0.00050	0.00050	0.00016	
7440-39-3	Barium, Total	0.2271	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00048	0.00020	0.00005	
7440-70-2	Calcium, Total	72.2	0.100	0.0394	
7440-47-3	Chromium, Total	0.00076	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	0.01456	0.00100	0.00038	
7439-89-6	Iron, Total	0.0887	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	20.6	0.0700	0.0242	
7439-96-5	Manganese, Total	0.01833	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00402	0.00200	0.00055	
7440-09-7	Potassium, Total	1.18	0.100	0.0309	
7782-49-2	Selenium, Total	0.00229	0.00500	0.00173	J
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	130.	0.100	0.0293	
7440-28-0	Thallium, Total	0.00016	0.00100	0.00014	J
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.1291	0.01000	0.00341	



Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-10
Client ID : DUP-2
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 11:10
Date Received : 08/04/21
Date Analyzed : 08/17/21 16:47
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.216	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U UJ
7440-38-2	Arsenic, Total	0.00058	0.00050	0.00016	
7440-39-3	Barium, Total	0.2492	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00049	0.00020	0.00005	
7440-70-2	Calcium, Total	76.5	0.100	0.0394	
7440-47-3	Chromium, Total	0.00101	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00042	0.00050	0.00016	J
7440-50-8	Copper, Total	0.01755	0.00100	0.00038	
7439-89-6	Iron, Total	0.296	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	21.9	0.0700	0.0242	
7439-96-5	Manganese, Total	0.02111	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00389	0.00200	0.00055	
7440-09-7	Potassium, Total	1.25	0.100	0.0309	
7782-49-2	Selenium, Total	0.00237	0.00500	0.00173	J
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	142.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.1378	0.01000	0.00341	



Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-11
Client ID : MW-1A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 11:35
Date Received : 08/04/21
Date Analyzed : 08/17/21 16:52
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier	
		Results	RL	MDL		
7429-90-5	Aluminum, Total	0.0381	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00164	0.00050	0.00016		
7440-39-3	Barium, Total	0.08380	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U	
7440-70-2	Calcium, Total	43.4	0.100	0.0394		
7440-47-3	Chromium, Total	0.3289	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00041	0.00050	0.00016	J	
7440-50-8	Copper, Total	0.01144	0.00100	0.00038		
7439-89-6	Iron, Total	0.0426	0.0500	0.0191	J	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	6.21	0.0700	0.0242		
7439-96-5	Manganese, Total	0.01005	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00087	0.00200	0.00055	J	
7440-09-7	Potassium, Total	2.57	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-23-5	Sodium, Total	157.	0.100	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00306	0.00500	0.00157	J	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U	



Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-12
Client ID : EQUIP_BLANK
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 14:30
Date Received : 08/04/21
Date Analyzed : 08/17/21 16:37
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U UJ
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	0.00021	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U



Form 1 METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,6020B
 Lab File ID : WG1535850.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/17/21 16:57
 Dilution Factor : 1
 Analyst : CD
 Instrument ID : ICPMSQ2
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier	
		Results	RL	MDL		
7429-90-5	Aluminum, Total	0.635	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UU
7440-38-2	Arsenic, Total	0.00436	0.00050	0.00016		
7440-39-3	Barium, Total	0.7390	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U	
7440-70-2	Calcium, Total	93.5	0.100	0.0394		
7440-47-3	Chromium, Total	0.00226	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00199	0.00050	0.00016		
7440-50-8	Copper, Total	0.00701	0.00100	0.00038		
7439-89-6	Iron, Total	2.02	0.0500	0.0191		
7439-92-1	Lead, Total	0.00387	0.00100	0.00034		
7439-95-4	Magnesium, Total	5.16	0.0700	0.0242		
7439-96-5	Manganese, Total	0.05008	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00379	0.00200	0.00055		
7440-09-7	Potassium, Total	1.45	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-23-5	Sodium, Total	14.2	0.100	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00620	0.00500	0.00157		
7440-66-6	Zinc, Total	0.02186	0.01000	0.00341		



Form 1 METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,6020B
 Lab File ID : WG1535850.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/17/21 17:02
 Dilution Factor : 1
 Analyst : CD
 Instrument ID : ICPMSQ2
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.190	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00044	0.00400	0.00042	J J-
7440-38-2	Arsenic, Total	0.00197	0.00050	0.00016	
7440-39-3	Barium, Total	0.3077	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00012	0.00020	0.00005	J
7440-70-2	Calcium, Total	80.9	0.100	0.0394	
7440-47-3	Chromium, Total	0.00091	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00070	0.00050	0.00016	
7440-50-8	Copper, Total	0.00786	0.00100	0.00038	
7439-89-6	Iron, Total	0.340	0.0500	0.0191	
7439-92-1	Lead, Total	0.00191	0.00100	0.00034	
7439-95-4	Magnesium, Total	7.02	0.0700	0.0242	
7439-96-5	Manganese, Total	0.02430	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00515	0.00200	0.00055	
7440-09-7	Potassium, Total	16.1	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	25.9	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	0.00365	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.02348	0.01000	0.00341	



Form 1

METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,6020B
 Lab File ID : WG1535850.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/17/21 17:07
 Dilution Factor : 1
 Analyst : CD
 Instrument ID : ICPMSQ2
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier	
		Results	RL	MDL		
7429-90-5	Aluminum, Total	0.110	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00156	0.00050	0.00016		
7440-39-3	Barium, Total	0.3506	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U	
7440-70-2	Calcium, Total	101.	0.100	0.0394		
7440-47-3	Chromium, Total	0.00819	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00122	0.00050	0.00016		
7440-50-8	Copper, Total	0.00447	0.00100	0.00038		
7439-89-6	Iron, Total	0.396	0.0500	0.0191		
7439-92-1	Lead, Total	0.00103	0.00100	0.00034		
7439-95-4	Magnesium, Total	6.30	0.0700	0.0242		
7439-96-5	Manganese, Total	0.01003	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00096	0.00200	0.00055	J	
7440-09-7	Potassium, Total	3.05	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-23-5	Sodium, Total	44.6	0.100	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00157	0.00500	0.00157	J	
7440-66-6	Zinc, Total	0.01800	0.01000	0.00341		



Form 1 METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-17
Client ID : MW-1B
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1535850.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/03/21 15:20
Date Received : 08/04/21
Date Analyzed : 08/17/21 17:12
Dilution Factor : 1
Analyst : CD
Instrument ID : ICPMSQ2
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier	
		Results	RL	MDL		
7429-90-5	Aluminum, Total	0.0396	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00119	0.00050	0.00016		
7440-39-3	Barium, Total	0.1710	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U	
7440-70-2	Calcium, Total	111.	0.100	0.0394		
7440-47-3	Chromium, Total	0.00498	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00116	0.00050	0.00016		
7440-50-8	Copper, Total	0.00148	0.00100	0.00038		
7439-89-6	Iron, Total	0.0906	0.0500	0.0191		
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	5.99	0.0700	0.0242		
7439-96-5	Manganese, Total	0.2635	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00228	0.00200	0.00055		
7440-09-7	Potassium, Total	1.02	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-23-5	Sodium, Total	31.3	0.100	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U	



Form 1

METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-08
Client ID : MW-3A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,7470A
Lab File ID : WG1532234.txt
Sample Amount : 25ml
Digestion Method : EPA 7470A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 08:45
Date Received : 08/04/21
Date Analyzed : 08/06/21 11:18
Dilution Factor : 1
Analyst : NB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-09
Client ID : MW-5A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,7470A
Lab File ID : WG1532234.txt
Sample Amount : 25ml
Digestion Method : EPA 7470A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 10:10
Date Received : 08/04/21
Date Analyzed : 08/06/21 11:01
Dilution Factor : 1
Analyst : NB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1532234.txt
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:21
 Dilution Factor : 1
 Analyst : NB
 Instrument ID : NIC1
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-11
Client ID : MW-1A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,7470A
Lab File ID : WG1532234.txt
Sample Amount : 25ml
Digestion Method : EPA 7470A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 11:35
Date Received : 08/04/21
Date Analyzed : 08/06/21 11:24
Dilution Factor : 1
Analyst : NB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1532234.txt
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:27
 Dilution Factor : 1
 Analyst : NB
 Instrument ID : NIC1
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-14
Client ID : MW-3B
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,7470A
Lab File ID : WG1532234.txt
Sample Amount : 25ml
Digestion Method : EPA 7470A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/03/21 10:15
Date Received : 08/04/21
Date Analyzed : 08/06/21 11:31
Dilution Factor : 1
Analyst : NB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1532234.txt
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:34
 Dilution Factor : 1
 Analyst : NB
 Instrument ID : NIC1
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-16
Client ID : MW-5B
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,7470A
Lab File ID : WG1532234.txt
Sample Amount : 25ml
Digestion Method : EPA 7470A

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/03/21 14:15
Date Received : 08/04/21
Date Analyzed : 08/06/21 11:37
Dilution Factor : 1
Analyst : NB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,7470A
 Lab File ID : WG1532234.txt
 Sample Amount : 25ml
 Digestion Method : EPA 7470A

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 11:41
 Dilution Factor : 1
 Analyst : NB
 Instrument ID : NIC1
 %Solids : N/A
 Date Digested : 08/06/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-08
 Client ID : MW-3A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 08:45
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:38
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-09
 Client ID : MW-5A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 10:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:39
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-10
 Client ID : DUP-2
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 11:10
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:44
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1
WETCHEM

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Lab ID : L2141727-11
Client ID : MW-1A
Sample Location : WEST NYACK, NY
Sample Matrix : WATER
Analytical Method : 1,9010C/9012B
Lab File ID : TCN080621-B
Sample Amount :
Digestion Method :

Lab Number : L2141727
Project Number : 190273.2021
Date Collected : 08/04/21 11:35
Date Received : 08/04/21
Date Analyzed : 08/06/21 10:45
Dilution Factor : 1
Analyst : CR
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-12
 Client ID : EQUIP_BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/04/21 14:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:46
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-14
 Client ID : MW-3B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 10:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:47
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-15
 Client ID : MW-4B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 11:30
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:49
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-16
 Client ID : MW-5B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 14:15
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:50
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab ID : L2141727-17
 Client ID : MW-1B
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,9010C/9012B
 Lab File ID : TCN080621-B
 Sample Amount :
 Digestion Method :

Lab Number : L2141727
 Project Number : 190273.2021
 Date Collected : 08/03/21 15:20
 Date Received : 08/04/21
 Date Analyzed : 08/06/21 10:51
 Dilution Factor : 1
 Analyst : CR
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 08/05/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



VOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2141727**

**19 Ground Water Samples, 2 Field Duplicates,
1 Equipment Blank, and 1 Trip Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, methyl acetate, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone were below the method minimums, but not below 0.010 for VOA105 on 07-28-21. The average RRFs for acetone, methyl acetate, 2-butanone, trichloroethene, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 for ELAINE on 08-04-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, methyl acetate, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone were below the method minimums, but not below 0.010 on 08-06-21 (V052107806A01). The RRFs for methyl acetate, 2-butanone, trichloroethene, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane were below the method minimums, but not below 0.010 on 08-06-21 (VE210806A02). The RRFs for bromomethane, methyl acetate, 2-butanone, trichloroethene, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane were below the method minimums, but not below 0.010 on 08-07-21 (VE210807A02). The %Ds for 6 compounds (highlighted yellow on attached Form 7) were above the method maximum on 08-06-21 (V052107806A01). The %Ds for acetone, styrene, and isopropylbenzene were above the method maximum on 08-06-21 (VE210806A02). The %Ds for bromomethane, acetone, 2-butanone, and bromoform were above the method maximum on 08-07-21 (VE210807A02). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRF for 1,4-dioxane was below the allowable minimum (0.001) on 08-06-21 (V052107806A01). The RRF for 1,4-dioxane was below the allowable minimum (0.001) on 08-07-21 (VE210807A02). Positive results for 1,4-dioxane should be considered estimated, biased low (J-) and “not detected” results rejected, unusable (R) in associated samples.

The %Ds for 6 compounds (highlighted yellow on attached Form 7) and 1,4-dioxane were above the allowable maximum (20%) on 08-06-21 (V052107806A01). The %Ds for acetone, styrene, and isopropylbenzene were above the allowable maximum (20%) on 08-06-21 (VE210806A02). The %Ds for bromomethane, acetone, 2-butanone, and bromoform were above the allowable maximum (20%) on 08-07-21 (VE210807A02). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method, trip, and equipment blanks reported target compounds as not detected.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples, equipment blank, and trip blank.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous MS/MSD sample MW-5A.

The RPDs for target compounds were below the allowable maximum, but 1 of 2 %Rs for 2-hexanone and 1,4-dioxane was above QC limits for aqueous MS/MSD sample MW-23A-D. The analysis of sample MW-23A-D reported 2-hexanone and 1,4-dioxane as “not detected”; therefore, no action is taken.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1532417-3/4.

The RPDs for target compounds were below the allowable maximum, but 1 of 2 %Rs for methyl acetate was below QC limits, but not below 30% for aqueous samples WG1532321-3/4. Positive results for methyl acetate should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

The %Rs for target compounds were within QC limits, but RPDs for vinyl chloride and dichlorodifluoromethane were above the allowable maximum for aqueous samples WG1532995-3/4. Positive results for vinyl chloride and dichlorodifluoromethane should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pairs MW-23A-D/DUP-1 and MW-5A/DUP-2 reported target compounds as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pairs were acceptable.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532321-3 Analysis Date : 08/06/21 07:11 File ID : V052107806A01
 LCSD Sample ID : WG1532321-4 Analysis Date : 08/06/21 07:34 File ID : V052107806A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	8.6	86	10	8.6	86	0	70-130	20
1,1-Dichloroethane	10	8.7	87	10	8.9	89	2	70-130	20
Chloroform	10	9.3	93	10	9.4	94	1	70-130	20
Carbon tetrachloride	10	9.7	97	10	10	100	3	63-132	20
1,2-Dichloropropane	10	9.1	91	10	9.3	93	2	70-130	20
Dibromochloromethane	10	9.9	99	10	10	100	1	63-130	20
1,1,2-Trichloroethane	10	9.5	95	10	9.9	99	4	70-130	20
Tetrachloroethene	10	9.9	99	10	10	100	1	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	10	9.1	91	10	9.3	93	2	70-130	20
1,1,1-Trichloroethane	10	9.5	95	10	9.7	97	2	67-130	20
Bromodichloromethane	10	9.9	99	10	10	100	1	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	9.4	94	4	70-130	20
cis-1,3-Dichloropropene	10	9.2	92	10	9.4	94	2	70-130	20
Bromoform	10	9.6	96	10	10	100	4	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	10	100	0	67-130	20
Benzene	10	8.9	89	10	9.1	91	2	70-130	20
Toluene	10	9.3	93	10	9.7	97	4	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	6.7	67	10	6.8	68	1	64-130	20
Bromomethane	10	8.6	86	10	8.2	82	5	39-139	20
Vinyl chloride	10	7.9	79	10	8.0	80	1	55-140	20
Chloroethane	10	9.5	95	10	9.7	97	2	55-138	20
1,1-Dichloroethene	10	8.8	88	10	9.0	90	2	61-145	20
trans-1,2-Dichloroethene	10	8.8	88	10	9.0	90	2	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532321-3 Analysis Date : 08/06/21 07:11 File ID : V052107806A01
 LCSD Sample ID : WG1532321-4 Analysis Date : 08/06/21 07:34 File ID : V052107806A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	8.5	85	10	8.8	88	3	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	7.6	76	10	8.1	81	6	63-130	20
p/m-Xylene	20	21	105	20	21	105	0	70-130	20
o-Xylene	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.2	92	1	70-130	20
Styrene	20	22	110	20	22	110	0	70-130	20
Dichlorodifluoromethane	10	7.2	72	10	7.3	73	1	36-147	20
Acetone	10	7.4	74	10	8.1	81	9	58-148	20
Carbon disulfide	10	8.1	81	10	8.1	81	0	51-130	20
2-Butanone	10	7.9	79	10	8.1	81	3	63-138	20
4-Methyl-2-pentanone	10	8.6	86	10	9.3	93	8	59-130	20
2-Hexanone	10	8.6	86	10	9.4	94	9	57-130	20
Bromochloromethane	10	9.7	97	10	9.8	98	1	70-130	20
1,2-Dibromoethane	10	9.6	96	10	10	100	4	70-130	20
1,2-Dibromo-3-chloropropane	10	9.8	98	10	10	100	2	41-144	20
Isopropylbenzene	10	10	100	10	11	110	10	70-130	20
1,2,3-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl Acetate	10	6.2	62 Q	10	7.0	70	12	70-130	20
Cyclohexane	10	8.7	87	10	8.9	89	2	70-130	20
1,4-Dioxane	500	620	124	500	600	120	3	56-162	20
Freon-113	10	9.4	94	10	9.6	96	2	70-130	20
Methyl cyclohexane	10	9.0	90	10	9.3	93	3	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532995-3 Analysis Date : 08/07/21 08:35 File ID : VE210807A02
 LCSD Sample ID : WG1532995-4 Analysis Date : 08/07/21 08:55 File ID : VE210807A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.2	92	10	9.0	90	2	70-130	20
1,1-Dichloroethane	10	9.4	94	10	9.0	90	4	70-130	20
Chloroform	10	9.3	93	10	10	100	7	70-130	20
Carbon tetrachloride	10	9.2	92	10	9.7	97	5	63-132	20
1,2-Dichloropropane	10	9.3	93	10	9.6	96	3	70-130	20
Dibromochloromethane	10	8.8	88	10	8.8	88	0	63-130	20
1,1,2-Trichloroethane	10	9.5	95	10	9.6	96	1	70-130	20
Tetrachloroethene	10	9.4	94	10	7.8	78	19	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	9.4	94	6	62-150	20
1,2-Dichloroethane	10	9.3	93	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	10	9.2	92	10	9.7	97	5	67-130	20
Bromodichloromethane	10	9.3	93	10	9.2	92	1	67-130	20
trans-1,3-Dichloropropene	10	9.4	94	10	8.0	80	16	70-130	20
cis-1,3-Dichloropropene	10	9.1	91	10	9.3	93	2	70-130	20
Bromoform	10	7.3	73	10	7.9	79	8	54-136	20
1,1,2,2-Tetrachloroethane	10	8.6	86	10	9.3	93	8	67-130	20
Benzene	10	9.1	91	10	9.5	95	4	70-130	20
Toluene	10	9.6	96	10	8.2	82	16	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	8.8	88	10	7.6	76	15	64-130	20
Bromomethane	10	7.1	71	10	6.2	62	14	39-139	20
Vinyl chloride	10	11	110	10	8.6	86	24 Q	55-140	20
Chloroethane	10	9.3	93	10	9.2	92	1	55-138	20
1,1-Dichloroethene	10	10	100	10	8.9	89	12	61-145	20
trans-1,2-Dichloroethene	10	9.9	99	10	8.9	89	11	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532995-3 Analysis Date : 08/07/21 08:35 File ID : VE210807A02
 LCSD Sample ID : WG1532995-4 Analysis Date : 08/07/21 08:55 File ID : VE210807A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	8.8	88	10	8.9	89	1	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	9.0	90	10	8.6	86	5	63-130	20
p/m-Xylene	20	21	105	20	22	110	5	70-130	20
o-Xylene	20	22	110	20	23	115	4	70-130	20
cis-1,2-Dichloroethene	10	8.9	89	10	9.4	94	5	70-130	20
Styrene	20	23	115	20	24	120	4	70-130	20
Dichlorodifluoromethane	10	10	100	10	7.8	78	25 Q	36-147	20
Acetone	10	6.4	64	10	7.0	70	9	58-148	20
Carbon disulfide	10	9.7	97	10	8.7	87	11	51-130	20
2-Butanone	10	7.6	76	10	8.3	83	9	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	7.3	73	14	59-130	20
2-Hexanone	10	8.9	89	10	8.2	82	8	57-130	20
Bromochloromethane	10	8.9	89	10	8.9	89	0	70-130	20
1,2-Dibromoethane	10	9.2	92	10	9.7	97	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.4	84	0	41-144	20
Isopropylbenzene	10	10	100	10	12	120	18	70-130	20
1,2,3-Trichlorobenzene	10	10	100	10	9.1	91	9	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
Methyl Acetate	10	9.1	91	10	8.7	87	4	70-130	20
Cyclohexane	10	9.1	91	10	9.2	92	1	70-130	20
1,4-Dioxane	500	520	104	500	460	92	12	56-162	20
Freon-113	10	11	110	10	9.1	91	19	70-130	20
Methyl cyclohexane	10	9.2	92	10	8.9	89	3	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-23A-D
 Lab Sample ID : L2141727-01
 Matrix Spike : WG1532321-6
 Matrix Spike Dup : WG1532321-7

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/06/21 11:48
 MS Analysis Date : 08/06/21 16:51
 MSD Analysis Date : 08/06/21 17:14

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	8.7	87	10	9.0	90	3	70-130	20
1,1-Dichloroethane	ND	10	9.3	93	10	9.7	97	4	70-130	20
Chloroform	ND	10	9.4	94	10	9.9	99	5	70-130	20
Carbon tetrachloride	ND	10	9.5	95	10	10	100	5	63-132	20
1,2-Dichloropropane	ND	10	9.6	96	10	10	100	4	70-130	20
Dibromochloromethane	ND	10	10	100	10	11	110	10	63-130	20
1,1,2-Trichloroethane	ND	10	11	110	10	12	120	9	70-130	20
Tetrachloroethene	ND	10	9.5	95	10	10	100	5	70-130	20
Chlorobenzene	ND	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	ND	10	9.9	99	10	10	100	1	62-150	20
1,2-Dichloroethane	ND	10	9.8	98	10	10	100	2	70-130	20
1,1,1-Trichloroethane	ND	10	9.4	94	10	10	100	6	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	9.1	91	10	10	100	9	70-130	20
cis-1,3-Dichloropropene	ND	10	9.0	90	10	9.8	98	9	70-130	20
Bromoform	ND	10	10	100	10	11	110	10	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	12	120	10	13	130	8	67-130	20
Benzene	ND	10	9.1	91	10	9.7	97	6	70-130	20
Toluene	ND	10	9.3	93	10	10	100	7	70-130	20
Ethylbenzene	ND	10	10	100	10	11	110	10	70-130	20
Chloromethane	ND	10	7.2	72	10	7.5	75	4	64-130	20
Bromomethane	ND	10	5.8	58	10	6.3	63	8	39-139	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-23A-D
 Lab Sample ID : L2141727-01
 Matrix Spike : WG1532321-6
 Matrix Spike Dup : WG1532321-7

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/06/21 11:48
 MS Analysis Date : 08/06/21 16:51
 MSD Analysis Date : 08/06/21 17:14

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Vinyl chloride	0.21J	10	8.7	87	10	9.0	90	3	55-140	20
Chloroethane	ND	10	9.4	94	10	9.1	91	3	55-138	20
1,1-Dichloroethene	ND	10	8.9	89	10	9.4	94	5	61-145	20
trans-1,2-Dichloroethene	ND	10	9.2	92	10	9.5	95	3	70-130	20
Trichloroethene	ND	10	8.7	87	10	9.3	93	7	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	ND	10	9.0	90	10	9.6	96	6	63-130	20
p/m-Xylene	ND	20	20	100	20	22	110	10	70-130	20
o-Xylene	ND	20	20	100	20	22	110	10	70-130	20
cis-1,2-Dichloroethene	ND	10	9.6	96	10	10	100	4	70-130	20
Styrene	ND	20	21	105	20	23	115	9	70-130	20
Dichlorodifluoromethane	ND	10	7.0	70	10	7.4	74	6	36-147	20
Acetone	ND	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	ND	10	8.5	85	10	8.8	88	3	51-130	20
2-Butanone	ND	10	9.7	97	10	10	100	3	63-138	20
4-Methyl-2-pentanone	ND	10	11	110	10	12	120	9	59-130	20
2-Hexanone	ND	10	12	120	10	14	140 Q	15	57-130	20
Bromochloromethane	ND	10	9.9	99	10	10	100	1	70-130	20
1,2-Dibromoethane	ND	10	10	100	10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	12	120	10	12	120	0	41-144	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-23A-D
 Lab Sample ID : L2141727-01
 Matrix Spike : WG1532321-6
 Matrix Spike Dup : WG1532321-7

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/06/21 11:48
 MS Analysis Date : 08/06/21 16:51
 MSD Analysis Date : 08/06/21 17:14

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Isopropylbenzene	ND	10	10	100	10	11	110	10	70-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	12	120	9	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100	10	12	120	18	70-130	20
Methyl Acetate	ND	10	8.4	84	10	9.0	90	7	70-130	20
Cyclohexane	ND	10	8.9J	89	10	9.5J	95	7	70-130	20
1,4-Dioxane	ND	500	780	156	500	840	168 Q	7	56-162	20
Freon-113	ND	10	9.4	94	10	9.7	97	3	70-130	20
Methyl cyclohexane	ND	10	8.7J	87	10	9.2J	92	6	70-130	20

Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Calibration dates : 07/28/21 12:22 07/28/21 15:49

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18190

Calibration Files

L11 =V05210728A03.d L1 =V05210728A05.d L2 =V05210728A07.d L3 =V05210728A08.d L4 =V05210728A09.d
 L6 =V05210728A10.d L8 =V05210728A11.d L10 =V05210728A12.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.257	0.328	0.279	0.283	0.258	0.262	0.247	0.273	9.88
3) TP Chloromethane		0.357	0.380	0.316	0.297	0.274	0.275	0.262	0.309	14.61
4) TC Vinyl chloride	0.288	0.295	0.366	0.318	0.310	0.284	0.285	0.267	0.302	10.14
5) TP Bromomethane		0.256	0.249	0.210	0.188	0.171	0.169	0.166	0.201	18.95
6) TP Chloroethane		0.200	0.215	0.175	0.163	0.146	0.143	0.134	0.168	18.08
7) TP Trichlorofluor		0.314	0.415	0.352	0.353	0.319	0.324	0.306	0.340	11.06
8) TP Ethyl ether		0.095	0.107	0.104	0.103	0.099	0.097	0.093	0.100	5.21
10) TC 1,1-Dichloroet		0.212	0.262	0.231	0.226	0.211	0.215	0.207	0.223	8.62
11) TP Carbon disulfide		0.724	0.886	0.765	0.728	0.676	0.695	0.663	0.734	10.25
12) TP Freon-113		0.208	0.271	0.235	0.244	0.224	0.232	0.221	0.234	8.55
13) TP Iodomethane			0.356	0.294	0.324	0.329	0.324	0.285	0.319	8.02
14) TP Acrolein			0.014	0.014	0.015	0.016	0.016	0.016	0.015#	4.53
15) TP Methylene chlo		0.305	0.309	0.266	0.246	0.232	0.231	0.223	0.259	13.75
17) TP Acetone			0.044	0.032	0.030	0.028	0.029	0.029	0.032#	19.55
18) TP trans-1,2-Dich		0.225	0.293	0.256	0.248	0.233	0.236	0.229	0.246	9.63
19) TP Methyl acetate		0.095	0.089	0.076	0.078	0.077	0.077	0.076	0.081#	9.21
20) TP Methyl tert butyl ether		0.349	0.432	0.437	0.458	0.472	0.476	0.466	0.441	10.01
21) TP tert-Butyl alc		0.004	0.005	0.006	0.005	0.006	0.006	0.006	0.005#	14.85
22) TP Diisopropyl ether		0.577	0.655	0.615	0.638	0.638	0.634	0.611	0.624	4.08
23) TP 1,1-Dichloroet		0.470	0.555	0.489	0.465	0.437	0.433	0.414	0.466	10.07
24) TP Halothane		0.148	0.212	0.190	0.189	0.183	0.187	0.183	0.185	10.22
25) TP Acrylonitrile		0.033	0.048	0.048	0.046	0.046	0.046	0.045	0.045#	12.18
26) TP Ethyl tert-but		0.463	0.546	0.523	0.550	0.572	0.572	0.559	0.541	7.06
27) TP Vinyl acetate		0.207	0.264	0.310	0.333	0.346	0.368	0.342	0.310	18.14
28) TP cis-1,2-Dichlo		0.265	0.321	0.286	0.272	0.262	0.261	0.253	0.274	8.41
29) TP 2,2-Dichloropr		0.290	0.397	0.370	0.373	0.361	0.362	0.347	0.357	9.29
30) TP Bromochloromet		0.102	0.133	0.119	0.112	0.107	0.106	0.092	0.110	11.88
31) TP Cyclohexane		0.367	0.492	0.448	0.472	0.442	0.451	0.424	0.442	8.97
32) TC Chloroform		0.470	0.512	0.451	0.436	0.419	0.419	0.407	0.445	8.24
33) TP Ethyl acetate		0.099	0.119	0.108	0.113	0.115	0.114	0.112	0.111	5.57
34) TP Carbon tetrachloride	0.220	0.229	0.304	0.288	0.308	0.307	0.325	0.320	0.287	14.12
35) TP Tetrahydrofuran		0.039	0.047	0.034	0.042	0.034	0.034	0.032	0.037#	14.80
36) S Dibromofluoromethane	0.274	0.278	0.274	0.266	0.252	0.250	0.249	0.244	0.261	5.21
37) TP 1,1,1-Trichlor		0.297	0.388	0.365	0.372	0.357	0.364	0.354	0.357	8.04
39) TP 2-Butanone		0.054	0.042	0.042	0.043	0.045	0.044	0.044	0.045#	9.63



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Calibration dates : 07/28/21 12:22 07/28/21 15:49

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18190

Calibration Files

L11 =V05210728A03.d L1 =V05210728A05.d L2 =V05210728A07.d L3 =V05210728A08.d L4 =V05210728A09.d
 L6 =V05210728A10.d L8 =V05210728A11.d L10 =V05210728A12.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr	0.253	0.341	0.325	0.343	0.330	0.337	0.325	0.322	9.77	
41) TP Benzene	0.872	0.874	1.057	0.989	0.993	0.964	0.956	0.900	0.951	6.82
42) TP Tertiary-Amyl Methyl Ether	0.389	0.452	0.428	0.452	0.475	0.480	0.471	0.450	7.16	
43) S 1,2-Dichloroethane-d4	0.292	0.288	0.292	0.300	0.271	0.267	0.273	0.275	0.282	4.29
44) TP 1,2-Dichloroet	0.290	0.324	0.289	0.280	0.272	0.270	0.262	0.284	7.23	
47) TP Methyl cyclohe	0.387	0.510	0.466	0.495	0.476	0.487	0.460	0.469	8.51	
48) TP Trichloroethene	0.361	0.242	0.258	0.256	0.258	0.251	0.252	0.245	0.265	14.73
50) TP Dibromomethane	0.111	0.133	0.120	0.119	0.117	0.118	0.116	0.119	5.75	
51) TC 1,2-Dichloropr	0.209	0.253	0.245	0.248	0.243	0.241	0.233	0.239	6.06	
53) TP 2-Chloroethyl	0.074	0.094	0.097	0.097	0.099	0.091	0.086	0.091	9.54	
54) TP Bromodichlorom	0.262	0.326	0.304	0.316	0.307	0.309	0.305	0.304	6.61	
57) TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.30	
58) TP cis-1,3-Dichloropropene	0.282	0.360	0.349	0.371	0.374	0.375	0.365	0.354	9.29	
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.297	1.304	1.337	1.329	1.351	1.339	1.337	1.347	1.330	1.47
61) TC Toluene	0.759	0.871	0.802	0.816	0.794	0.799	0.768	0.801	4.56	
62) TP 4-Methyl-2-pen	0.036	0.047	0.046	0.053	0.055	0.055	0.053	0.049#	13.92	
63) TP Tetrachloroethene	0.291	0.379	0.346	0.368	0.356	0.365	0.360	0.352	8.19	
65) TP trans-1,3-Dichloropropene	0.268	0.351	0.356	0.401	0.415	0.421	0.415	0.375	14.76	
67) TP Ethyl methacry	0.204	0.260	0.258	0.272	0.276	0.277	0.268	0.259	9.87	
68) TP 1,1,2-Trichlor	0.152	0.183	0.176	0.188	0.188	0.188	0.183	0.180	7.17	
69) TP Chlorodibromom	0.180	0.223	0.228	0.256	0.267	0.276	0.276	0.244	14.50	
70) TP 1,3-Dichloropr	0.381	0.430	0.407	0.435	0.431	0.438	0.425	0.421	4.85	
71) TP 1,2-Dibromoethane	0.160	0.210	0.205	0.216	0.215	0.218	0.214	0.205	10.00	
72) TP 2-Hexanone	0.067	0.086	0.080	0.084	0.086	0.085	0.082	0.081#	8.15	
73) TP Chlorobenzene	0.812	0.961	0.866	0.874	0.845	0.851	0.816	0.861	5.81	
74) TC Ethylbenzene	1.480	1.768	1.608	1.637	1.542	1.535	1.415	1.569	7.31	
75) TP 1,1,1,2-Tetrac	0.206	0.258	0.254	0.283	0.292	0.299	0.297	0.270	12.40	
76) TP p/m Xylene	0.551	0.685	0.631	0.639	0.601	0.594	0.540	0.606	8.37	
77) TP o Xylene	0.516	0.648	0.601	0.609	0.574	0.566	0.510	0.575	8.68	
78) TP Styrene	0.829	1.045	0.990	1.005	0.941	0.903	0.782	0.928	10.37	
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform	0.167	0.209	0.214	0.243	0.267	0.278	0.279	0.237	17.70	
82) TP Isopropylbenzene	2.513	3.118	2.853	2.873	2.775	2.801	2.583	2.788	7.14	
83) S 4-Bromofluorobenzene	0.951	0.954	0.944	0.939	0.919	0.922	0.930	0.929	0.936	1.42
84) TP Bromobenzene	0.576	0.674	0.596	0.598	0.598	0.609	0.598	0.607	5.10	



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Calibration dates : 07/28/21 12:22 07/28/21 15:49

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18190

Calibration Files

L11 =V05210728A03.d L1 =V05210728A05.d L2 =V05210728A07.d L3 =V05210728A08.d L4 =V05210728A09.d
 L6 =V05210728A10.d L8 =V05210728A11.d L10 =V05210728A12.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	3.240	3.881	3.540	3.511	3.338	3.292	2.920	3.389	8.80	
86) TP 1,4-Dichlorobu	0.659	0.736	0.678	0.655	0.653	0.650	0.632	0.666	5.02	
87) TP 1,1,2,2-Tetrac	0.408	0.450	0.407	0.405	0.403	0.411	0.401	0.412	4.18	
88) TP 4-Ethyltoluene	2.494	3.169	2.925	2.919	2.807	2.790	2.518	2.803	8.49	
89) TP 2-Chlorotoluene	1.952	2.281	2.002	1.955	1.900	1.899	1.835	1.975	7.35	
90) TP 1,3,5-Trimethy	2.230	2.712	2.489	2.458	2.373	2.355	2.137	2.393	7.80	
91) TP 1,2,3-Trichlor	0.357	0.393	0.333	0.328	0.331	0.329	0.316	0.341	7.57	
92) TP trans-1,4-Dich	0.098	0.124	0.116	0.108	0.121	0.123	0.122	0.116	8.23	
93) TP 4-Chlorotoluene	1.955	2.406	2.117	2.100	2.019	2.027	1.896	2.074	7.97	
94) TP tert-Butylbenzene	1.904	2.270	2.067	2.105	2.047	2.068	1.900	2.052	6.16	
97) TP 1,2,4-Trimethy	2.118	2.584	2.404	2.403	2.334	2.317	2.109	2.324	7.23	
98) TP sec-Butylbenzene	2.833	3.544	3.195	3.217	3.078	3.061	2.696	3.089	8.92	
99) TP p-Isopropyltol	2.288	2.905	2.673	2.723	2.623	2.579	2.299	2.584	8.65	
100) TP 1,3-Dichlorobe	1.263	1.422	1.291	1.278	1.257	1.275	1.198	1.283	5.30	
101) TP 1,4-Dichlorobe	1.288	1.436	1.269	1.252	1.235	1.241	1.181	1.272	6.29	
102) TP p-Diethylbenzene	1.357	1.699	1.572	1.613	1.582	1.591	1.462	1.554	7.17	
103) TP n-Butylbenzene	2.058	2.590	2.409	2.395	2.320	2.297	2.054	2.303	8.39	
104) TP 1,2-Dichlorobe	1.093	1.236	1.114	1.109	1.095	1.102	1.053	1.115	5.13	
105) TP 1,2,4,5-Tetram	1.854	2.258	2.149	2.176	2.173	2.137	1.937	2.098	6.93	
106) TP 1,2-Dibromo-3-	0.037	0.051	0.050	0.055	0.059	0.060	0.060	0.053	15.34	
107) TP 1,3,5-Trichlor	0.832	0.934	0.862	0.874	0.871	0.868	0.822	0.866	4.20	
108) TP Hexachlorobuta	0.334	0.392	0.342	0.351	0.361	0.373	0.367	0.360	5.47	
109) TP 1,2,4-Trichlor	0.680	0.728	0.647	0.660	0.674	0.674	0.655	0.674	3.93	
110) TP Naphthalene	1.287	1.202	1.090	1.111	1.159	1.160	1.137	1.164	5.59	
111) TP 1,2,3-Trichlor	0.598	0.582	0.510	0.512	0.526	0.526	0.516	0.539	6.71	



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Calibration dates : 08/04/21 17:22 08/04/21 20:23

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18199

Calibration Files

L11 =VE210804N04.D L1 =VE210804N06.D L2 =VE210804N08.D L3 =VE210804N09.D L4 =VE210804N10.D
 L6 =VE210804N11.D L8 =VE210804N12.D L10 =VE210804N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.128	0.146	0.127	0.125	0.120	0.150	0.112	0.130	10.48
3) TP Chloromethane		0.294	0.279	0.232	0.211	0.197	0.214	0.181	0.230	18.33
4) TC Vinyl chloride	0.198	0.188	0.229	0.200	0.192	0.188	0.197	0.176	0.196	7.85
5) TP Bromomethane		0.136	0.117	0.099	0.097	0.098	0.106	0.104	0.108	12.94
6) TP Chloroethane		0.130	0.120	0.118	0.110	0.106	0.105	0.070	0.108	17.81
7) TP Trichlorofluor		0.168	0.210	0.212	0.212	0.201	0.215	0.195	0.202	8.18
8) TP Ethyl ether		0.076	0.076	0.078	0.082	0.082	0.084	0.081	0.080	3.86
10) TC 1,1-Dichloroet		0.111	0.129	0.131	0.128	0.130	0.141	0.134	0.129	7.01
11) TP Carbon disulfide		0.308	0.349	0.346	0.336	0.335	0.354	0.320	0.336	4.92
12) TP Freon-113		0.112	0.138	0.138	0.134	0.131	0.143	0.135	0.133	7.55
13) TP Iodomethane		0.183	0.151	0.154	0.164	0.169	0.182	0.161	0.166	7.66
14) TP Acrolein			0.019	0.016	0.016	0.016	0.017	0.017	0.017#	6.50
15) TP Methylene chlo		0.174	0.163	0.154	0.154	0.151	0.157	0.149	0.157	5.58
17) TP Acetone			0.082	0.039	0.030	0.029	0.029	0.028	*L	0.9997
18) TP trans-1,2-Dich		0.127	0.141	0.147	0.142	0.143	0.153	0.149	0.143	5.77
19) TP Methyl acetate		0.093	0.070	0.075	0.074	0.076	0.080	0.079	0.078#	9.25
20) TP Methyl tert butyl ether		0.321	0.349	0.378	0.394	0.394	0.411	0.387	0.376	8.20
21) TP tert-Butyl alc		0.013	0.013	0.012	0.012	0.011	0.012	0.012	0.012#	5.88
22) TP Diisopropyl ether		0.659	0.734	0.713	0.726	0.706	0.712	0.617	0.695	6.03
23) TP 1,1-Dichloroet		0.316	0.343	0.338	0.326	0.321	0.338	0.319	0.329	3.31
24) TP Halothane		0.097	0.105	0.115	0.115	0.118	0.127	0.122	0.114	8.84
25) TP Acrylonitrile		0.058	0.044	0.052	0.054	0.055	0.057	0.056	0.054	8.66
26) TP Ethyl tert-but		0.543	0.599	0.614	0.632	0.634	0.650	0.596	0.610	5.79
27) TP Vinyl acetate		0.288	0.301	0.321	0.371	0.377	0.382	0.354	0.342	11.22
28) TP cis-1,2-Dichlo		0.177	0.179	0.163	0.166	0.163	0.173	0.169	0.170	3.80
29) TP 2,2-Dichloropr		0.207	0.227	0.225	0.236	0.235	0.253	0.237	0.231	6.06
30) TP Bromochloromet		0.082	0.074	0.066	0.073	0.072	0.074	0.070	0.073	6.86
31) TP Cyclohexane		0.287	0.368	0.380	0.396	0.385	0.412	0.376	0.372	10.82
32) TC Chloroform		0.290	0.278	0.279	0.279	0.270	0.284	0.269	0.278	2.62
33) TP Ethyl acetate		0.109	0.114	0.126	0.127	0.131	0.132	0.128	0.124	7.11
34) TP Carbon tetrachloride	0.167	0.133	0.174	0.189	0.192	0.194	0.211	0.200	0.183	13.29
35) TP Tetrahydrofuran		0.030	0.041	0.033	0.032	0.033	0.034	0.033	0.034#	10.66
36) S Dibromofluoromethane	0.208	0.207	0.208	0.205	0.208	0.207	0.212	0.217	0.209	1.81
37) TP 1,1,1-Trichlor		0.196	0.226	0.238	0.235	0.236	0.250	0.234	0.231	7.32
39) TP 2-Butanone		0.067	0.058	0.052	0.056	0.056	0.059	0.055	0.058#	7.94



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Calibration dates : 08/04/21 17:22 08/04/21 20:23

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18199

Calibration Files

L11 =VE210804N04.D L1 =VE210804N06.D L2 =VE210804N08.D L3 =VE210804N09.D L4 =VE210804N10.D
 L6 =VE210804N11.D L8 =VE210804N12.D L10 =VE210804N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr	0.192	0.188	0.194	0.200	0.201	0.216	0.200	0.199	4.46	
41) TP Benzene	0.652	0.638	0.670	0.656	0.659	0.655	0.673	0.588	0.649	4.15
42) TP Tertiary-Amyl Methyl Ether	0.343	0.394	0.397	0.424	0.431	0.448	0.423	0.409	8.41	
43) S 1,2-Dichloroethane-d4	0.257	0.260	0.259	0.254	0.248	0.256	0.255	0.263	0.256	1.69
44) TP 1,2-Dichloroet	0.223	0.223	0.214	0.217	0.214	0.221	0.208	0.217	2.56	
47) TP Methyl cyclohe	0.223	0.265	0.278	0.288	0.288	0.317	0.288	0.278	10.38	
48) TP Trichloroethene	0.188	0.144	0.153	0.164	0.161	0.167	0.178	0.169	0.165#	8.23
50) TP Dibromomethane	0.088	0.084	0.080	0.079	0.079	0.082	0.080	0.082	4.25	
51) TC 1,2-Dichloropr	0.186	0.198	0.198	0.204	0.206	0.215	0.203	0.202	4.45	
53) TP 2-Chloroethyl	0.104	0.104	0.104	0.113	0.118	0.123	0.118	0.112	7.24	
54) TP Bromodichlorom	0.164	0.187	0.194	0.205	0.214	0.222	0.214	0.200	10.12	
57) TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.34	
58) TP cis-1,3-Dichloropropene	0.261	0.240	0.239	0.241	0.259	0.269	0.281	0.266	0.257	6.09
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.344	1.338	1.349	1.337	1.353	1.326	1.333	1.339	1.340	0.64
61) TC Toluene	0.646	0.568	0.646	0.634	0.641	0.619	0.637	0.579	0.621	4.96
62) TP 4-Methyl-2-pen	0.085	0.077	0.081	0.084	0.086	0.089	0.087	0.084#	4.87	
63) TP Tetrachloroethene	0.206	0.228	0.226	0.229	0.225	0.239	0.232	0.226	4.59	
65) TP trans-1,3-Dichloropropene	0.272	0.289	0.289	0.304	0.337	0.337	0.347	0.335	0.314	9.05
67) TP Ethyl methacry	0.218	0.239	0.257	0.280	0.283	0.288	0.278	0.263	10.00	
68) TP 1,1,2-Trichlor	0.140	0.150	0.147	0.157	0.157	0.162	0.159	0.153	5.15	
69) TP Chlorodibromom	0.176	0.160	0.178	0.197	0.208	0.217	0.216	0.193	11.48	
70) TP 1,3-Dichloropr	0.333	0.309	0.320	0.337	0.328	0.335	0.317	0.326	3.25	
71) TP 1,2-Dibromoethane	0.146	0.148	0.167	0.174	0.172	0.177	0.171	0.165	7.56	
72) TP 2-Hexanone	0.122	0.111	0.120	0.132	0.131	0.134	0.127	0.125	6.63	
73) TP Chlorobenzene	0.668	0.697	0.678	0.682	0.652	0.637	0.536	0.650	8.30	
74) TC Ethylbenzene	1.181	1.106	1.226	1.239	1.241	1.098	0.987	0.736	1.102	15.61
75) TP 1,1,1,2-Tetrac	0.197	0.215	0.214	0.233	0.235	0.243	0.233	0.224	7.19	
76) TP p/m Xylene	0.439	0.413	0.463	0.472	0.480	0.437	0.401	0.443	6.72	
77) TP o Xylene	0.395	0.416	0.445	0.457	0.464	0.424	0.387	0.300	0.411	12.85
78) TP Styrene	0.678	0.615	0.710	0.771	0.796	0.626	0.513	0.673	14.53	
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform	0.150	0.156	0.167	0.196	0.220	0.232	0.213	0.191	17.31	
82) TP Isopropylbenzene	2.005	2.315	2.341	2.317	2.030	1.821	1.301	2.019	18.50	
83) S 4-Bromofluorobenzene	0.970	0.966	0.953	0.943	0.926	0.908	0.914	0.877	0.932	3.43
84) TP Bromobenzene	0.528	0.527	0.506	0.505	0.509	0.525	0.478	0.511	3.48	



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Calibration dates : 08/04/21 17:22 08/04/21 20:23

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18199

Calibration Files

L11 =VE210804N04.D L1 =VE210804N06.D L2 =VE210804N08.D L3 =VE210804N09.D L4 =VE210804N10.D
 L6 =VE210804N11.D L8 =VE210804N12.D L10 =VE210804N13.D

Compound			L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85)	TP	n-Propylbenzene		2.530	2.756	2.810	2.768	2.267	1.966		2.516	13.44
86)	TP	1,4-Dichlorobu		1.001	0.951	0.955	0.980	0.921	0.896	0.741	0.921	9.40
87)	TP	1,1,2,2-Tetrac		0.368	0.362	0.389	0.408	0.417	0.423	0.390	0.394	5.96
88)	TP	4-Ethyltoluene		2.009	2.248	2.256	2.292	2.022	1.803	1.330	1.994	17.12
89)	TP	2-Chlorotoluene		1.722	1.965	1.934	1.934	1.794	1.691	1.296	1.762	13.21
90)	TP	1,3,5-Trimethy		1.662	1.846	1.880	1.926	1.736	1.563	1.153	1.681	15.79
91)	TP	1,2,3-Trichlor		0.337	0.335	0.332	0.344	0.350	0.353	0.320	0.339	3.36
92)	TP	trans-1,4-Dich		0.161	0.179	0.170	0.178	0.167	0.180	0.160	0.171	4.83
93)	TP	4-Chlorotoluene		1.697	1.776	1.726	1.734	1.582	1.463	1.098	1.582	15.12
94)	TP	tert-Butylbenzene		1.450	1.656	1.670	1.679	1.550	1.448	1.112	1.509	13.33
97)	TP	1,2,4-Trimethy		1.681	1.775	1.848	1.906	1.719	1.547	1.151	1.661	15.23
98)	TP	sec-Butylbenzene		2.057	2.334	2.381	2.418	2.058	1.808	1.295	2.050	19.45
99)	TP	p-Isopropyltol		1.720	1.929	2.026	2.095	1.830	1.622	1.199	1.774	17.07
100)	TP	1,3-Dichlorobe		1.045	1.040	1.010	1.048	1.012	0.993	0.843	0.999	7.20
101)	TP	1,4-Dichlorobe		1.073	1.030	1.028	1.048	1.008	0.988	0.839	1.002	7.67
102)	TP	p-Diethylbenzene		1.032	1.102	1.177	1.225	1.173	1.159	0.930	1.114	9.16
103)	TP	n-Butylbenzene		1.512	1.684	1.744	1.789	1.631	1.485	1.091	1.562	15.10
104)	TP	1,2-Dichlorobe		0.928	0.969	0.940	0.962	0.920	0.911	0.804	0.919	5.97
105)	TP	1,2,4,5-Tetram		1.537	1.650	1.714	1.834	1.662	1.556	1.134	1.584	14.01
106)	TP	1,2-Dibromo-3-		0.059	0.047	0.049	0.053	0.056	0.060	0.061	0.055	10.01
107)	TP	1,3,5-Trichlor		0.621	0.598	0.605	0.637	0.638	0.691	0.621	0.630	4.88
108)	TP	Hexachlorobuta		0.150	0.185	0.189	0.202	0.207	0.229	0.217	0.197	13.11
109)	TP	1,2,4-Trichlor		0.595	0.564	0.555	0.572	0.590	0.632	0.576	0.584	4.36
110)	TP	Naphthalene		1.483	1.371	1.344	1.391	1.340	1.304	1.003	1.320	11.41
111)	TP	1,2,3-Trichlor		0.588	0.496	0.500	0.515	0.530	0.566	0.517	0.530	6.51

Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Lab File ID : V052107806A01
 Sample No : WG1532321-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:11
 Init. Calib. Date(s) : 07/28/21 07/28/21
 Init. Calib. Times : 12:22 15:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	87	0
Dichlorodifluoromethane	0.273	0.197	-	27.8*	20	62	0
Chloromethane	0.309	0.208	-	32.7*	20	57	0
Vinyl chloride	0.302	0.238	-	21.2*	20	65	-.01
Bromomethane	0.201	0.173	-	13.9	20	72	0
Chloroethane	0.168	0.16	-	4.8	20	80	0
Trichlorofluoromethane	0.34	0.359	-	-5.6	20	89	0
Ethyl ether	0.1	0.094	-	6	20	78	0
1,1-Dichloroethene	0.223	0.197	-	11.7	20	74	0
Carbon disulfide	0.734	0.596	-	18.8	20	68	0
Freon-113	0.234	0.219	-	6.4	20	81	0
Acrolein	0.015	0.012*	-	20	20	75	0
Methylene chloride	0.259	0.223	-	13.9	20	73	0
Acetone	0.032	0.024*	-	25*	20	64	0
trans-1,2-Dichloroethene	0.246	0.216	-	12.2	20	74	0
Methyl acetate	0.081	0.05*	-	38.3*	20	58	0
Methyl tert-butyl ether	0.441	0.335	-	24*	20	67	0
tert-Butyl alcohol	0.00524	0.00485*	-	7.4	20	72	0
Diisopropyl ether	0.624	0.48	-	23.1*	20	68	0
1,1-Dichloroethane	0.466	0.407	-	12.7	20	73	0
Halothane	0.185	0.186	-	-0.5	20	85	0
Acrylonitrile	0.045	0.037*	-	17.8	20	67	0
Ethyl tert-butyl ether	0.541	0.406	-	25*	20	68	0
Vinyl acetate	0.31	0.243	-	21.6*	20	68	0
cis-1,2-Dichloroethene	0.274	0.249	-	9.1	20	76	0
2,2-Dichloropropane	0.357	0.323	-	9.5	20	76	0
Bromochloromethane	0.11	0.107	-	2.7	20	78	-.01
Cyclohexane	0.442	0.385	-	12.9	20	75	0
Chloroform	0.445	0.415	-	6.7	20	80	0
Ethyl acetate	0.111	0.076	-	31.5*	20	61	-.01
Carbon tetrachloride	0.287	0.278	-	3.1	20	84	0
Tetrahydrofuran	0.037	0.029*	-	21.6*	20	75	0
Dibromofluoromethane	0.261	0.258	-	1.1	20	85	0
1,1,1-Trichloroethane	0.357	0.339	-	5	20	81	0
2-Butanone	0.045	0.035*	-	22.2*	20	73	0
1,1-Dichloropropene	0.322	0.29	-	9.9	20	78	0
Benzene	0.951	0.845	-	11.1	20	74	0
tert-Amyl methyl ether	0.45	0.349	-	22.4*	20	71	0
1,2-Dichloroethane-d4	0.282	0.279	-	1.1	20	81	0
1,2-Dichloroethane	0.284	0.258	-	9.2	20	78	0
Methyl cyclohexane	0.469	0.422	-	10	20	79	0
Trichloroethene	0.265	0.226	-	14.7	20	77	0
Dibromomethane	0.119	0.114	-	4.2	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Lab File ID : V052107806A01
 Sample No : WG1532321-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:11
 Init. Calib. Date(s) : 07/28/21 07/28/21
 Init. Calib. Times : 12:22 15:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.239	0.218	-	8.8	20	77	0
Bromodichloromethane	0.304	0.302	-	0.7	20	87	0
1,4-Dioxane	0.00057	0.00071*	-	-24.6*	20	103	0
cis-1,3-Dichloropropene	0.354	0.325	-	8.2	20	81	0
Chlorobenzene-d5	1	1	-	0	20	88	0
Toluene-d8	1.33	1.287	-	3.2	20	85	0
Toluene	0.801	0.747	-	6.7	20	82	0
4-Methyl-2-pentanone	0.049	0.042*	-	14.3	20	81	0
Tetrachloroethene	0.352	0.35	-	0.6	20	89	0
trans-1,3-Dichloropropene	0.375	0.339	-	9.6	20	84	0
Ethyl methacrylate	0.259	0.232	-	10.4	20	79	0
1,1,2-Trichloroethane	0.18	0.171	-	5	20	85	0
Chlorodibromomethane	0.244	0.243	-	0.4	20	93	0
1,3-Dichloropropane	0.421	0.383	-	9	20	83	0
1,2-Dibromoethane	0.205	0.197	-	3.9	20	84	0
2-Hexanone	0.081	0.07*	-	13.6	20	77	0
Chlorobenzene	0.861	0.876	-	-1.7	20	89	0
Ethylbenzene	1.569	1.603	-	-2.2	20	88	0
1,1,1,2-Tetrachloroethane	0.27	0.269	-	0.4	20	93	0
p/m Xylene	0.606	0.627	-	-3.5	20	87	0
o Xylene	0.575	0.599	-	-4.2	20	88	0
Styrene	0.928	1.006	-	-8.4	20	89	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Bromoform	0.237	0.228	-	3.8	20	97	0
Isopropylbenzene	2.788	2.929	-	-5.1	20	93	0
4-Bromofluorobenzene	0.936	0.859	-	8.2	20	83	0
Bromobenzene	0.607	0.613	-	-1	20	93	0
n-Propylbenzene	3.389	3.605	-	-6.4	20	92	0
1,4-Dichlorobutane	0.666	0.624	-	6.3	20	83	0
1,1,2,2-Tetrachloroethane	0.412	0.411	-	0.2	20	92	0
4-Ethyltoluene	2.803	2.972	-	-6	20	92	0
2-Chlorotoluene	1.975	1.99	-	-0.8	20	90	0
1,3,5-Trimethylbenzene	2.393	2.484	-	-3.8	20	90	0
1,2,3-Trichloropropane	0.341	0.331	-	2.9	20	90	0
trans-1,4-Dichloro-2-buten	0.116	0.109	-	6	20	86	0
4-Chlorotoluene	2.074	2.155	-	-3.9	20	92	0
tert-Butylbenzene	2.052	2.2	-	-7.2	20	96	0
1,2,4-Trimethylbenzene	2.324	2.449	-	-5.4	20	92	0
sec-Butylbenzene	3.089	3.413	-	-10.5	20	97	0
p-Isopropyltoluene	2.584	2.846	-	-10.1	20	96	0
1,3-Dichlorobenzene	1.283	1.357	-	-5.8	20	95	0
1,4-Dichlorobenzene	1.272	1.321	-	-3.9	20	94	0
p-Diethylbenzene	1.554	1.674	-	-7.7	20	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : VOA105
 Lab File ID : V052107806A01
 Sample No : WG1532321-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:11
 Init. Calib. Date(s) : 07/28/21 07/28/21
 Init. Calib. Times : 12:22 15:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.303	2.598	-	-12.8	20	98	0
1,2-Dichlorobenzene	1.115	1.172	-	-5.1	20	95	0
1,2,4,5-Tetramethylbenzene	2.098	2.305	-	-9.9	20	97	0
1,2-Dibromo-3-chloropropan	0.053	0.052	-	1.9	20	95	0
1,3,5-Trichlorobenzene	0.866	0.928	-	-7.2	20	98	0
Hexachlorobutadiene	0.36	0.399	-	-10.8	20	106	0
1,2,4-Trichlorobenzene	0.674	0.689	-	-2.2	20	96	0
Naphthalene	1.164	1.153	-	0.9	20	96	0
1,2,3-Trichlorobenzene	0.539	0.539	-	0	20	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210806A02
 Sample No : WG1532417-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:38
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.13	0.135	-	-3.8	20	102	0
Chloromethane	0.23	0.229	-	0.4	20	95	0
Vinyl chloride	0.196	0.215	-	-9.7	20	103	0
Bromomethane	0.108	0.106	-	1.9	20	102	0
Chloroethane	0.108	0.123	-	-13.9	20	100	0
Trichlorofluoromethane	0.202	0.239	-	-18.3	20	109	0
Ethyl ether	0.08	0.074	-	7.5	20	91	0
1,1-Dichloroethene	0.129	0.124	-	3.9	20	91	0
Carbon disulfide	0.336	0.346	-	-3	20	96	0
Freon-113	0.133	0.144	-	-8.3	20	100	0
Acrolein	0.017	0.014*	-	17.6	20	81	0
Methylene chloride	0.157	0.154	-	1.9	20	96	0
Acetone	10	6.892	-	31.1*	20	74	0
trans-1,2-Dichloroethene	0.143	0.144	-	-0.7	20	94	0
Methyl acetate	0.078	0.074*	-	5.1	20	95	0
Methyl tert-butyl ether	0.376	0.355	-	5.6	20	90	0
tert-Butyl alcohol	0.012	0.012*	-	0	20	96	0
Diisopropyl ether	0.695	0.715	-	-2.9	20	96	0
1,1-Dichloroethane	0.329	0.337	-	-2.4	20	96	0
Halothane	0.114	0.124	-	-8.8	20	104	0
Acrylonitrile	0.054	0.05	-	7.4	20	92	0
Ethyl tert-butyl ether	0.61	0.604	-	1	20	95	0
Vinyl acetate	0.342	0.366	-	-7	20	109	0
cis-1,2-Dichloroethene	0.17	0.172	-	-1.2	20	101	0
2,2-Dichloropropane	0.231	0.237	-	-2.6	20	101	0
Bromochloromethane	0.073	0.069	-	5.5	20	100	0
Cyclohexane	0.372	0.397	-	-6.7	20	100	0
Chloroform	0.278	0.283	-	-1.8	20	97	0
Ethyl acetate	0.124	0.123	-	0.8	20	94	0
Carbon tetrachloride	0.183	0.188	-	-2.7	20	95	0
Tetrahydrofuran	0.034	0.031*	-	8.8	20	91	0
Dibromofluoromethane	0.209	0.21	-	-0.5	20	98	0
1,1,1-Trichloroethane	0.231	0.242	-	-4.8	20	97	0
2-Butanone	0.058	0.051*	-	12.1	20	93	0
1,1-Dichloropropene	0.199	0.2	-	-0.5	20	99	0
Benzene	0.649	0.659	-	-1.5	20	97	0
tert-Amyl methyl ether	0.409	0.403	-	1.5	20	97	0
1,2-Dichloroethane-d4	0.256	0.257	-	-0.4	20	97	0
1,2-Dichloroethane	0.217	0.216	-	0.5	20	97	0
Methyl cyclohexane	0.278	0.296	-	-6.5	20	103	0
Trichloroethene	0.165	0.164*	-	0.6	20	96	0
Dibromomethane	0.082	0.08	-	2.4	20	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210806A02
 Sample No : WG1532417-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:38
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.202	0.202	-	0	20	98	0
Bromodichloromethane	0.2	0.202	-	-1	20	100	0
1,4-Dioxane	0.00087	0.001*	-	-14.9	20	116	0
cis-1,3-Dichloropropene	0.257	0.249	-	3.1	20	99	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.34	1.358	-	-1.3	20	97	0
Toluene	0.621	0.665	-	-7.1	20	100	0
4-Methyl-2-pentanone	0.084	0.076*	-	9.5	20	89	0
Tetrachloroethene	0.226	0.235	-	-4	20	99	0
trans-1,3-Dichloropropene	0.314	0.318	-	-1.3	20	100	0
Ethyl methacrylate	0.263	0.248	-	5.7	20	92	0
1,1,2-Trichloroethane	0.153	0.151	-	1.3	20	98	0
Chlorodibromomethane	0.193	0.178	-	7.8	20	95	0
1,3-Dichloropropane	0.326	0.324	-	0.6	20	97	0
1,2-Dibromoethane	0.165	0.166	-	-0.6	20	95	0
2-Hexanone	0.125	0.119	-	4.8	20	95	0
Chlorobenzene	0.65	0.729	-	-12.2	20	103	0
Ethylbenzene	1.102	1.312	-	-19.1	20	101	0
1,1,1,2-Tetrachloroethane	0.224	0.224	-	0	20	100	0
p/m Xylene	0.443	0.504	-	-13.8	20	102	0
o Xylene	0.411	0.483	-	-17.5	20	101	0
Styrene	0.673	0.814	-	-21*	20	101	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.191	0.167	-	12.6	20	95	0
Isopropylbenzene	2.019	2.529	-	-25.3*	20	103	0
4-Bromofluorobenzene	0.932	0.939	-	-0.8	20	95	0
Bromobenzene	0.511	0.536	-	-4.9	20	101	0
n-Propylbenzene	2.516	3.063	-	-21.7*	20	104	0
1,4-Dichlorobutane	0.921	0.996	-	-8.1	20	99	0
1,1,2,2-Tetrachloroethane	0.394	0.398	-	-1	20	97	0
4-Ethyltoluene	1.994	2.501	-	-25.4*	20	105	0
2-Chlorotoluene	1.762	2.103	-	-19.4	20	103	0
1,3,5-Trimethylbenzene	1.681	2.048	-	-21.8*	20	103	0
1,2,3-Trichloropropane	0.339	0.338	-	0.3	20	97	0
trans-1,4-Dichloro-2-buten	0.171	0.179	-	-4.7	20	100	0
4-Chlorotoluene	1.582	1.919	-	-21.3*	20	106	0
tert-Butylbenzene	1.509	1.83	-	-21.3*	20	104	0
1,2,4-Trimethylbenzene	1.661	2.003	-	-20.6*	20	103	0
sec-Butylbenzene	2.05	2.705	-	-32*	20	108	0
p-Isopropyltoluene	1.774	2.281	-	-28.6*	20	107	0
1,3-Dichlorobenzene	0.999	1.113	-	-11.4	20	105	0
1,4-Dichlorobenzene	1.002	1.141	-	-13.9	20	105	0
p-Diethylbenzene	1.114	1.331	-	-19.5	20	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210806A02
 Sample No : WG1532417-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/06/21 07:38
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.562	2.014	-	-28.9*	20	110	0
1,2-Dichlorobenzene	0.919	1.029	-	-12	20	104	0
1,2,4,5-Tetramethylbenzene	1.584	1.975	-	-24.7*	20	109	0
1,2-Dibromo-3-chloropropan	0.055	0.047*	-	14.5	20	91	0
1,3,5-Trichlorobenzene	0.63	0.704	-	-11.7	20	110	0
Hexachlorobutadiene	0.197	0.228	-	-15.7	20	115	0
1,2,4-Trichlorobenzene	0.584	0.612	-	-4.8	20	105	0
Naphthalene	1.32	1.386	-	-5	20	98	0
1,2,3-Trichlorobenzene	0.53	0.542	-	-2.3	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210807A02
 Sample No : WG1532995-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 08:35
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	95	0
Dichlorodifluoromethane	0.13	0.133	-	-2.3	20	100	0
Chloromethane	0.23	0.201	-	12.6	20	83	0
Vinyl chloride	0.196	0.22	-	-12.2	20	105	0
Bromomethane	0.108	0.077*	-	28.7*	20	73	0
Chloroethane	0.108	0.101	-	6.5	20	81	0
Trichlorofluoromethane	0.202	0.201	-	0.5	20	91	0
Ethyl ether	0.08	0.074	-	7.5	20	90	0
1,1-Dichloroethene	0.129	0.132	-	-2.3	20	96	0
Carbon disulfide	0.336	0.326	-	3	20	90	0
Freon-113	0.133	0.143	-	-7.5	20	98	0
Iodomethane	0.166	0.08	-	51.8*	20	49	0
Acrolein	0.017	0.014*	-	17.6	20	80	0
Methylene chloride	0.157	0.145	-	7.6	20	90	0
Acetone	10	6.426	-	35.7*	20	70	0
trans-1,2-Dichloroethene	0.143	0.142	-	0.7	20	92	0
Methyl acetate	0.078	0.071*	-	9	20	90	0
Methyl tert-butyl ether	0.376	0.341	-	9.3	20	86	0
tert-Butyl alcohol	0.012	0.012*	-	0	20	95	0
Diisopropyl ether	0.695	0.69	-	0.7	20	92	0
1,1-Dichloroethane	0.329	0.308	-	6.4	20	87	0
Halothane	0.114	0.117	-	-2.6	20	97	0
Acrylonitrile	0.054	0.044*	-	18.5	20	80	0
Ethyl tert-butyl ether	0.61	0.573	-	6.1	20	89	0
Vinyl acetate	0.342	0.341	-	0.3	20	101	0
cis-1,2-Dichloroethene	0.17	0.151	-	11.2	20	89	0
2,2-Dichloropropane	0.231	0.217	-	6.1	20	92	0
Bromochloromethane	0.073	0.065	-	11	20	94	0
Cyclohexane	0.372	0.34	-	8.6	20	85	0
Chloroform	0.278	0.259	-	6.8	20	88	0
Ethyl acetate	0.124	0.11	-	11.3	20	84	0
Carbon tetrachloride	0.183	0.167	-	8.7	20	84	0
Tetrahydrofuran	0.034	0.027*	-	20.6*	20	79	0
Dibromofluoromethane	0.209	0.212	-	-1.4	20	99	0
1,1,1-Trichloroethane	0.231	0.212	-	8.2	20	85	0
2-Butanone	0.058	0.044*	-	24.1*	20	80	0
1,1-Dichloropropene	0.199	0.175	-	12.1	20	86	0
Benzene	0.649	0.593	-	8.6	20	86	0
tert-Amyl methyl ether	0.409	0.369	-	9.8	20	88	0
1,2-Dichloroethane-d4	0.256	0.262	-	-2.3	20	98	0
1,2-Dichloroethane	0.217	0.201	-	7.4	20	89	0
Methyl cyclohexane	0.278	0.256	-	7.9	20	88	0
Trichloroethene	0.165	0.146*	-	11.5	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210807A02
 Sample No : WG1532995-2
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 08:35
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.082	0.073	-	11	20	87	0
1,2-Dichloropropane	0.202	0.188	-	6.9	20	90	0
2-Chloroethyl vinyl ether	0.112	0.097	-	13.4	20	89	0
Bromodichloromethane	0.2	0.186*	-	7	20	91	0
1,4-Dioxane	0.00087	0.0009*	-	-3.4	20	104	0
cis-1,3-Dichloropropene	0.257	0.234	-	8.9	20	93	0
Chlorobenzene-d5	1	1	-	0	20	96	0
Toluene-d8	1.34	1.334	-	0.4	20	96	0
Toluene	0.621	0.597	-	3.9	20	91	0
4-Methyl-2-pentanone	0.084	0.071*	-	15.5	20	84	0
Tetrachloroethene	0.226	0.213	-	5.8	20	91	0
trans-1,3-Dichloropropene	0.314	0.296	-	5.7	20	94	0
Ethyl methacrylate	0.263	0.241	-	8.4	20	90	0
1,1,2-Trichloroethane	0.153	0.146	-	4.6	20	96	0
Chlorodibromomethane	0.193	0.171	-	11.4	20	92	0
1,3-Dichloropropane	0.326	0.312	-	4.3	20	94	0
1,2-Dibromoethane	0.165	0.152	-	7.9	20	88	0
2-Hexanone	0.125	0.112	-	10.4	20	90	0
Chlorobenzene	0.65	0.681	-	-4.8	20	97	0
Ethylbenzene	1.102	1.243	-	-12.8	20	97	0
1,1,1,2-Tetrachloroethane	0.224	0.21	-	6.3	20	94	0
p/m Xylene	0.443	0.472	-	-6.5	20	96	0
o Xylene	0.411	0.455	-	-10.7	20	96	0
Styrene	0.673	0.773	-	-14.9	20	97	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
Bromoform	0.191	0.139	-	27.2*	20	92	0
Isopropylbenzene	2.019	2.133	-	-5.6	20	101	0
4-Bromofluorobenzene	0.932	0.822	-	11.8	20	96	0
Bromobenzene	0.511	0.443	-	13.3	20	97	0
n-Propylbenzene	2.516	2.543	-	-1.1	20	100	0
1,4-Dichlorobutane	0.921	0.832	-	9.7	20	96	0
1,1,2,2-Tetrachloroethane	0.394	0.338	-	14.2	20	96	0
4-Ethyltoluene	1.994	2.052	-	-2.9	20	100	0
2-Chlorotoluene	1.762	1.755	-	0.4	20	100	0
1,3,5-Trimethylbenzene	1.681	1.704	-	-1.4	20	100	0
1,2,3-Trichloropropane	0.339	0.28	-	17.4	20	93	0
trans-1,4-Dichloro-2-buten	0.171	0.152	-	11.1	20	98	0
4-Chlorotoluene	1.582	1.582	-	0	20	101	0
tert-Butylbenzene	1.509	1.54	-	-2.1	20	102	0
1,2,4-Trimethylbenzene	1.661	1.693	-	-1.9	20	101	0
sec-Butylbenzene	2.05	2.278	-	-11.1	20	106	0
p-Isopropyltoluene	1.774	2.124	-	-19.7	20	116	0
1,3-Dichlorobenzene	0.999	1.056	-	-5.7	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : ELAINE
 Lab File ID : VE210807A02
 Sample No : WG1532995-2
 Channel :

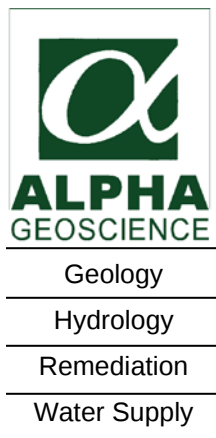
Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 08:35
 Init. Calib. Date(s) : 08/04/21 08/04/21
 Init. Calib. Times : 17:22 20:23

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.002	1.047	-	-4.5	20	113	0
p-Diethylbenzene	1.114	1.197	-	-7.5	20	112	0
n-Butylbenzene	1.562	1.821	-	-16.6	20	115	0
1,2-Dichlorobenzene	0.919	0.959	-	-4.4	20	113	0
1,2,4,5-Tetramethylbenzene	1.584	1.864	-	-17.7	20	120	0
1,2-Dibromo-3-chloropropan	0.055	0.047*	-	14.5	20	105	0
1,3,5-Trichlorobenzene	0.63	0.665	-	-5.6	20	121	0
Hexachlorobutadiene	0.197	0.223	-	-13.2	20	130	0
1,2,4-Trichlorobenzene	0.584	0.604	-	-3.4	20	120	0
Naphthalene	1.32	1.413	-	-7	20	116	0
1,2,3-Trichlorobenzene	0.53	0.534	-	-0.8	20	118	0

* Value outside of QC limits.



SVOC Data Section



**QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2141727**

**7 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for SV106 on 07-01-21. The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for DAKOTA on 08-03-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 08-07-21 (WG1532679-3). The RRF for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimum, but not below 0.010 on 08-09-21 (WG1532846-3). The RRF for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimum, but not below 0.010 on 08-10-21 (WG1533277-3). The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 08-12-21 (WG1534264-3). The %Ds for 2-nitrophenol, 2,4-dinitrophenol, and 4,6-dinitro-o-cresol were above the method maximum on 08-07-21 (WG1532679-3). The %Ds for 2,4-dinitrophenol, 4-nitrophenol, and 4,6-dinitro-o-cresol were above the method maximum on 08-07-21 (WG1532846-3). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 2-nitrophenol, 2,4-dinitrophenol, and 4,6-dinitro-o-cresol were above the allowable maximum (20%) on 08-07-21 (WG1532679-3). The %Ds for 2,4-dinitrophenol, 4-nitrophenol, and 4,6-dinitro-o-cresol were above the allowable maximum (20%) on 08-07-21 (WG1532846-3). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and equipment blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for 2,4-dimethylphenol and hexachlorocyclopentadiene were above the allowable maximum; 1 of 2 percent recoveries (%Rs) for 3,3'-dichlorobenzidine was below QC limits, but not below 30%; and 1 of 2 %Rs for 2,4-dimethylphenol and hexachlorocyclopentadiene were below QC limits and below 30% for aqueous MS/MSD sample MW-5A. The "not detected" results for 3,3'-dichlorobenzidine should be considered estimated (UJ) and "not detected" results for 2,4-dimethylphenol and hexachlorocyclopentadiene rejected, unusable (R) in sample MW-5A.

Laboratory Control Sample: The relative percent difference (RPD) for 3-nitroaniline was above the allowable maximum for aqueous samples WG1532510-2/3. The RPD for bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 4-chloroaniline, 2-chlorophenol, and 2-nitrophenol were above the allowable maximum for aqueous samples WG1532927-2/3. Positive results for these compounds should be considered estimated (J) in associated aqueous samples.

One of two percent recoveries (%Rs) for 4-chloroaniline were below QC limits, but not below 30% for aqueous samples WG1532510-2/3 and WG1532927-2/3. Positive results for 4-chloroaniline should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

Two of two %Rs for 3,3'-dichlorobenzidine were below QC limits and one below 30% for aqueous samples WG1532510-2/3. Two of two %Rs for hexachlorocyclopentadiene were below QC limits and one below 30% for aqueous samples WG1532927-2/3. Positive results for 3,3'-dichlorobenzidine and hexachlorocyclopentadiene should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5A/DUP-2 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532510-2 Analysis Date : 08/07/21 19:53 File ID : 532510-2
 LCSD Sample ID : WG1532510-3 Analysis Date : 08/07/21 20:17 File ID : 532510-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Bis(2-chloroethyl)ether	18	11.	61	18	10.	57	7	40-140	30
3,3'-Dichlorobenzidine	18	5.5	30 Q	18	5.1	28 Q	7	40-140	30
2,4-Dinitrotoluene	18	13.	71	18	14.	76	7	48-143	30
2,6-Dinitrotoluene	18	12.	66	18	12.	67	2	40-140	30
4-Chlorophenyl phenyl ether	18	11.	62	18	12.	63	2	40-140	30
4-Bromophenyl phenyl ether	18	12.	65	18	12.	69	6	40-140	30
Bis(2-chloroisopropyl)ether	18	10.	56	18	9.9	54	4	40-140	30
Bis(2-chloroethoxy)methane	18	11.	63	18	12.	65	3	40-140	30
Hexachlorocyclopentadiene	18	11.	62	18	10.	57	8	40-140	30
Isophorone	18	10.	57	18	10.	56	2	40-140	30
Nitrobenzene	18	14.	78	18	13.	72	8	40-140	30
NDPA/DPA	18	11.	60	18	11.	62	3	40-140	30
n-Nitrosodi-n-propylamine	18	12.	65	18	11.	63	3	29-132	30
Bis(2-ethylhexyl)phthalate	18	13.	72	18	14.	75	4	40-140	30
Butyl benzyl phthalate	18	13.	70	18	13.	70	0	40-140	30
Di-n-butylphthalate	18	12.	64	18	12.	66	3	40-140	30
Di-n-octylphthalate	18	13.	71	18	13.	72	1	40-140	30
Diethyl phthalate	18	12.	66	18	13.	72	9	40-140	30
Dimethyl phthalate	18	11.	60	18	11.	63	5	40-140	30
Biphenyl	18	11.	58	18	9.9	55	5	40-140	30
4-Chloroaniline	18	6.4	35 Q	18	7.6	42	18	40-140	30
2-Nitroaniline	18	12.	68	18	12.	69	1	52-143	30
3-Nitroaniline	18	7.0	39	18	10.	57	38 Q	25-145	30
4-Nitroaniline	18	11.	61	18	12.	65	6	51-143	30
Dibenzofuran	18	11.	62	18	12.	64	3	40-140	30
1,2,4,5-Tetrachlorobenzene	18	11.	61	18	10.	56	9	2-134	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532510-2 Analysis Date : 08/07/21 19:53 File ID : 532510-2
 LCSD Sample ID : WG1532510-3 Analysis Date : 08/07/21 20:17 File ID : 532510-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acetophenone	18	11.	60	18	10.	57	5	39-129	30
2,4,6-Trichlorophenol	18	12.	63	18	11.	61	3	30-130	30
p-Chloro-m-cresol	18	12.	65	18	12.	65	0	23-97	30
2-Chlorophenol	18	12.	64	18	11.	61	5	27-123	30
2,4-Dichlorophenol	18	12.	66	18	12.	64	3	30-130	30
2,4-Dimethylphenol	18	9.1	50	18	6.8	38	27	30-130	30
2-Nitrophenol	18	14.	79	18	13.	74	7	30-130	30
4-Nitrophenol	18	13.	73	18	14.	76	4	10-80	30
2,4-Dinitrophenol	18	16.	88	18	15.	82	7	20-130	30
4,6-Dinitro-o-cresol	18	16.	86	18	16.	88	2	20-164	30
Phenol	18	9.2	51	18	8.8	48	6	12-110	30
2-Methylphenol	18	11.	61	18	10.	56	9	30-130	30
3-Methylphenol/4-Methylphenol	18	11.	63	18	11.	60	5	30-130	30
2,4,5-Trichlorophenol	18	12.	65	18	12.	64	2	30-130	30
Carbazole	18	11.	63	18	12.	65	3	55-144	30
Atrazine	18	16.	87	18	16.	91	4	40-140	30
Benzaldehyde	18	10.	57	18	9.8	54	5	40-140	30
Caprolactam	18	6.1	34	18	5.7	32	6	10-130	30
2,3,4,6-Tetrachlorophenol	18	12.	68	18	12.	68	0	40-140	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532927-2 Analysis Date : 08/10/21 10:17 File ID : 532927-2
 LCSD Sample ID : WG1532927-3 Analysis Date : 08/10/21 10:43 File ID : 532927-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Bis(2-chloroethyl)ether	18	13.	73	18	9.6	53	32 Q	40-140	30
3,3'-Dichlorobenzidine	18	8.7	48	18	8.8	48	0	40-140	30
2,4-Dinitrotoluene	18	9.9	55	18	10.	58	5	48-143	30
2,6-Dinitrotoluene	18	11.	63	18	9.8	54	15	40-140	30
4-Chlorophenyl phenyl ether	18	10.	56	18	9.9	54	4	40-140	30
4-Bromophenyl phenyl ether	18	10.	55	18	9.1	50	10	40-140	30
Bis(2-chloroisopropyl)ether	18	13.	74	18	9.9	54	31 Q	40-140	30
Bis(2-chloroethoxy)methane	18	13.	73	18	10.	56	26	40-140	30
Hexachlorocyclopentadiene	18	5.4	30 Q	18	4.5	25 Q	18	40-140	30
Isophorone	18	13.	73	18	10.	56	26	40-140	30
Nitrobenzene	18	13.	71	18	9.8	54	27	40-140	30
NDPA/DPA	18	11.	60	18	10.	55	9	40-140	30
n-Nitrosodi-n-propylamine	18	14.	76	18	10.	57	29	29-132	30
Bis(2-ethylhexyl)phthalate	18	11.	62	18	12.	65	5	40-140	30
Butyl benzyl phthalate	18	11.	59	18	11.	61	3	40-140	30
Di-n-butylphthalate	18	11.	60	18	11.	62	3	40-140	30
Di-n-octylphthalate	18	12.	65	18	12.	64	2	40-140	30
Diethyl phthalate	18	11.	58	18	11.	60	3	40-140	30
Dimethyl phthalate	18	12.	63	18	10.	57	10	40-140	30
Biphenyl	18	12.	64	18	10.	55	15	40-140	30
4-Chloroaniline	18	9.7	53	18	6.7	37 Q	36 Q	40-140	30
2-Nitroaniline	18	12.	64	18	9.6	53	19	52-143	30
3-Nitroaniline	18	10.	57	18	9.3	51	11	25-145	30
4-Nitroaniline	18	10.	57	18	10.	55	4	51-143	30
Dibenzofuran	18	11.	60	18	10.	55	9	40-140	30
1,2,4,5-Tetrachlorobenzene	18	11.	63	18	9.3	51	21	2-134	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Matrix : WATER
 LCS Sample ID : WG1532927-2 Analysis Date : 08/10/21 10:17 File ID : 532927-2
 LCSD Sample ID : WG1532927-3 Analysis Date : 08/10/21 10:43 File ID : 532927-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acetophenone	18	14.	74	18	10.	58	24	39-129	30
2,4,6-Trichlorophenol	18	12.	66	18	10.	58	13	30-130	30
p-Chloro-m-cresol	18	14.	76	18	11.	60	24	23-97	30
2-Chlorophenol	18	14.	77	18	10.	56	32 Q	27-123	30
2,4-Dichlorophenol	18	14.	78	18	11.	60	26	30-130	30
2,4-Dimethylphenol	18	10.	55	18	7.4	41	29	30-130	30
2-Nitrophenol	18	13.	72	18	9.2	50	36 Q	30-130	30
4-Nitrophenol	18	11.	59	18	9.6	53	11	10-80	30
2,4-Dinitrophenol	18	9.2	50	18	9.4	52	4	20-130	30
4,6-Dinitro-o-cresol	18	9.5	52	18	8.9	49	6	20-164	30
Phenol	18	10.	56	18	8.6	48	15	12-110	30
2-Methylphenol	18	13.	71	18	10.	56	24	30-130	30
3-Methylphenol/4-Methylphenol	18	14.	79	18	11.	59	29	30-130	30
2,4,5-Trichlorophenol	18	13.	70	18	10.	58	19	30-130	30
Carbazole	18	12.	66	18	12.	67	2	55-144	30
Atrazine	18	13.	70	18	13.	70	0	40-140	30
Benzaldehyde	18	12.	68	18	10.	58	16	40-140	30
Caprolactam	18	6.9	38	18	5.4	30	24	10-130	30
2,3,4,6-Tetrachlorophenol	18	12.	64	18	11.	61	5	40-140	30



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-5A
 Lab Sample ID : L2141727-09
 Matrix Spike : WG1532927-4
 Matrix Spike Dup : WG1532927-5

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/10/21 13:43
 MS Analysis Date : 08/10/21 12:26
 MSD Analysis Date : 08/10/21 12:52

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Bis(2-chloroethyl)ether	ND	18.2	12.	66	18.2	11.	61	9	40-140	30
3,3'-Dichlorobenzidine	ND	18.2	8.4	46	18.2	7.0	39	Q 18	40-140	30
2,4-Dinitrotoluene	ND	18.2	10.	55	18.2	10.	55	0	48-143	30
2,6-Dinitrotoluene	ND	18.2	10.	55	18.2	9.5	52	5	40-140	30
4-Chlorophenyl phenyl ether	ND	18.2	10.	55	18.2	9.9	54	1	40-140	30
4-Bromophenyl phenyl ether	ND	18.2	10.	55	18.2	11.	61	10	40-140	30
Bis(2-chloroisopropyl)ether	ND	18.2	12.	66	18.2	11.	61	9	40-140	30
Bis(2-chloroethoxy)methane	ND	18.2	12.	66	18.2	10.	55	18	40-140	30
Hexachlorocyclopentadiene	ND	18.2	4.8J	26	Q 18.2	8.4J	46	55	Q 40-140	30
Isophorone	ND	18.2	11.	61	18.2	10.	55	10	40-140	30
Nitrobenzene	ND	18.2	12.	66	18.2	11.	61	9	40-140	30
NDPA/DPA	ND	18.2	11.	61	18.2	10.	55	10	40-140	30
n-Nitrosodi-n-propylamine	ND	18.2	12.	66	18.2	11.	61	9	29-132	30
Bis(2-ethylhexyl)phthalate	ND	18.2	14.	77	18.2	12.	66	15	40-140	30
Butyl benzyl phthalate	ND	18.2	12.	66	18.2	12.	66	0	40-140	30
Di-n-butylphthalate	ND	18.2	12.	66	18.2	11.	61	9	40-140	30
Di-n-octylphthalate	ND	18.2	14.	77	18.2	13.	72	7	40-140	30
Diethyl phthalate	ND	18.2	11.	61	18.2	11.	61	0	40-140	30
Dimethyl phthalate	ND	18.2	11.	61	18.2	9.7	53	13	40-140	30
Biphenyl	ND	18.2	10.	55	18.2	11.	61	10	40-140	30
4-Chloroaniline	ND	18.2	8.6	47	18.2	7.2	40	18	40-140	30
2-Nitroaniline	ND	18.2	11.	61	18.2	10.	55	10	52-143	30



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-5A
 Lab Sample ID : L2141727-09
 Matrix Spike : WG1532927-4
 Matrix Spike Dup : WG1532927-5

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/10/21 13:43
 MS Analysis Date : 08/10/21 12:26
 MSD Analysis Date : 08/10/21 12:52

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
3-Nitroaniline	ND	18.2	8.8	48	18.2	8.6	47	2	25-145	30
4-Nitroaniline	ND	18.2	11.	61	18.2	9.3	51	17	51-143	30
Dibenzofuran	ND	18.2	11.	61	18.2	11.	61	0	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	18.2	10.	55	18.2	10.	55	0	2-134	30
Acetophenone	ND	18.2	12.	66	18.2	11.	61	9	39-129	30
2,4,6-Trichlorophenol	ND	18.2	10.	55	18.2	9.8	54	2	30-130	30
p-Chloro-m-cresol	ND	18.2	12.	66	18.2	10.	55	18	23-97	30
2-Chlorophenol	ND	18.2	12.	66	18.2	11.	61	9	27-123	30
2,4-Dichlorophenol	ND	18.2	12.	66	18.2	11.	61	9	30-130	30
2,4-Dimethylphenol	ND	18.2	6.5	36	18.2	4.6J	25	Q	34	Q
2-Nitrophenol	ND	18.2	10.	55	18.2	10.	55	0	30-130	30
4-Nitrophenol	ND	18.2	11.	61	18.2	11.	61	0	10-80	30
2,4-Dinitrophenol	ND	18.2	10.J	55	18.2	10.J	55	0	20-130	30
4,6-Dinitro-o-cresol	ND	18.2	9.6J	53	18.2	9.0J	50	6	20-164	30
Phenol	ND	18.2	9.8	54	18.2	9.8	54	0	12-110	30
2-Methylphenol	ND	18.2	11.	61	18.2	9.7	53	13	30-130	30
3-Methylphenol/4-Methylphenol	ND	18.2	12.	66	18.2	11.	61	9	30-130	30
2,4,5-Trichlorophenol	ND	18.2	12.	66	18.2	10.	55	18	30-130	30
Carbazole	ND	18.2	12.	66	18.2	12.	66	0	55-144	30
Atrazine	ND	18.2	14.	77	18.2	12.	66	15	40-140	30
Benzaldehyde	ND	18.2	11.	61	18.2	11.	61	0	40-140	30
Caprolactam	ND	18.2	7.1J	39	18.2	5.6J	31	24	10-130	30



Matrix Spike Sample Summary **Form 3** **Semivolatiles**

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Client Sample ID : MW-5A
Lab Sample ID : L2141727-09
Matrix Spike : WG1532927-4
Matrix Spike Dup : WG1532927-5

Lab Number : L2141727
Project Number : 190273.2021
Matrix : WATER
Analysis Date : 08/10/21 13:43
MS Analysis Date : 08/10/21 12:26
MSD Analysis Date : 08/10/21 12:52

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
2,3,4,6-Tetrachlorophenol	ND	18.2	12.	66	18.2	10.	55	18	40-140	30

Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t N-Nitrosodimethylamine		0.372	0.401	0.402	0.393	0.384	0.404	0.391	0.362	0.357	0.385	4.60
3) t Pyridine		0.561	0.671	0.580	0.697	0.598	0.637	0.657	0.618	0.577	0.622	7.54
4) S 2-Fluorophenol	0.576	0.648	0.620	0.596	0.614	0.623	0.616	0.621	0.596	0.569	0.608	3.91
5) T Aniline	0.991	1.098	1.081	1.075	1.048	1.059	1.095	1.066	1.014	0.968	1.050	4.21
6) t 2-Chlorophenol	0.662	0.747	0.741	0.739	0.761	0.761	0.808	0.792	0.767	0.724	0.750	5.33
7) S Phenol-d6	0.749	0.783	0.795	0.796	0.802	0.809	0.854	0.822	0.796	0.760	0.797	3.75
8) T Phenol	0.852	0.822	0.866	0.844	0.848	0.862	0.881	0.880	0.837	0.794	0.849	3.14
9) T bis(2-Chloroethyl)ether	0.746	0.696	0.673	0.679	0.671	0.658	0.688	0.666	0.634	0.608	0.672	5.47
10) T 1,3-Dichlorobenzene	0.961	1.006	0.986	0.962	0.940	0.935	0.949	0.929	0.875	0.836	0.938	5.34
11) T 1,4-Dichlorobenzene	0.888	0.928	0.996	0.964	0.958	0.965	0.972	0.947	0.896	0.856	0.937	4.69
12) T 1,2-Dichlorobenzene	1.002	0.920	0.953	0.913	0.929	0.911	0.956	0.920	0.867	0.825	0.920	5.28
13) t Benzyl alcohol		0.512	0.496	0.536	0.564	0.568	0.612	0.611	0.583	0.558	0.560	7.14
14) T bis(2-chloroisopropyl)ether	1.165	1.128	1.167	1.152	1.183	1.156	1.196	1.160	1.094	1.078	1.148	3.27
15) T 2-Methylphenol	0.628	0.598	0.684	0.651	0.660	0.674	0.699	0.698	0.666	0.636	0.659	4.88
16) T Hexachloroethane	0.347	0.324	0.349	0.341	0.348	0.340	0.350	0.339	0.330	0.315	0.338	3.48
17) T n-Nitrosodi-n-propylamine	0.445	0.449	0.486	0.501	0.504	0.511	0.547	0.534	0.507	0.490	0.497	6.52
18) T 3-Methylphenol/4-Methylphenol	0.661	0.674	0.650	0.695	0.706	0.717	0.759	0.752	0.723	0.693	0.703	5.13
19) S Nitrobenzene-d5	0.615	0.621	0.657	0.670	0.679	0.702	0.754	0.751	0.732	0.695	0.688	7.15
20) T Nitrobenzene	0.645	0.577	0.606	0.656	0.675	0.685	0.748	0.754	0.726	0.689	0.676	8.56
21) T Isophorone	1.277	1.296	1.345	1.397	1.454	1.453	1.568	1.529	1.466	1.409	1.419	6.65
22) T 2-Nitrophenol				0.266	0.299	0.325	0.372	0.380	0.390	0.373	0.344	13.75
23) T 2,4-Dimethylphenol	0.698	0.712	0.747	0.756	0.764	0.798	0.851	0.825	0.806	0.764	0.772	6.25
24) T bis(2-Chloroethoxy)methane	0.849	0.878	0.865	0.896	0.903	0.908	0.947	0.928	0.876	0.847	0.890	3.69
25) T 2,4-Dichlorophenol		0.645	0.661	0.684	0.717	0.736	0.813	0.796	0.778	0.749	0.731	8.15
26) T 1,2,4-Trichlorobenzene	0.824	0.862	0.849	0.861	0.852	0.868	0.887	0.863	0.836	0.808	0.851	2.70
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T Benzaldehyde			0.631	0.630	0.629	0.635	0.651	0.636	0.651	0.666	0.641	2.07
29) T Acetophenone			1.131	1.087	1.117	1.133	1.184	1.156	1.189	1.197	1.149	3.38
30) T m-Toluidine			1.108	1.099	1.098	1.123	1.177	1.169	1.208	1.211	1.149	4.15
31) T 2-Chloroaniline		1.055	1.062	1.074	1.080	1.080	1.140	1.118	1.151	1.162	1.102	3.69
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----											
33) T n-Decane	0.830	0.805	0.800	0.795	0.790	0.792	0.763	0.796	0.757	0.793	0.792	2.58
34) I IS1_Naphthalene-d8	-----ISTD-----											
35) T Naphthalene	1.045	1.054	1.050	1.050	1.037	1.048	1.046	1.048	1.058	1.068	1.050	0.80
36) T Benzoic Acid					0.110	0.154	0.188	0.208	0.237	0.242	*L	0.9990



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) T 4-Chloroaniline		0.118	0.108	0.117	0.115	0.122	0.119	0.121	0.123	0.124	0.118	4.11
38) T Hexachlorobutadiene		0.218	0.201	0.203	0.202	0.204	0.208	0.205	0.215	0.220	0.208	3.50
39) T p-Chloro-m-cresol		0.226	0.236	0.266	0.270	0.285	0.297	0.307	0.310	0.316	0.279	11.61
40) T 2-Methylnaphthalene	0.679	0.732	0.717	0.732	0.742	0.759	0.755	0.775	0.778	0.792	0.746	4.47
41) T 1-Methylnaphthalene	0.237	0.222	0.229	0.238	0.231	0.240	0.242	0.249	0.249	0.253	0.239	4.07
42) T Hexachlorocyclopentadiene	0.197	0.215	0.228	0.237	0.234	0.251	0.264	0.272	0.288	0.293	0.248	12.67
43) T 2,4,6-Trichlorophenol			0.197	0.216	0.224	0.239	0.259	0.265	0.270	0.273	0.243	11.68
44) T 2,4,5-Trichlorophenol			0.212	0.232	0.239	0.265	0.274	0.286	0.296	0.302	0.263	12.37
45) S 2-Fluorobiphenyl	0.877	0.891	0.842	0.883	0.895	0.920	0.912	0.933	0.935	0.957	0.905	3.73
46) T 2-Chloronaphthalene	0.744	0.702	0.708	0.725	0.736	0.757	0.751	0.770	0.764	0.782	0.744	3.54
47) T 2-Nitroaniline			0.142	0.155	0.169	0.194	0.215	0.228	0.239	0.240	0.198	19.55
48) T 1,4-Dinitrobenzene					0.071	0.082	0.095	0.105	0.112	0.112	0.096	17.54
49) T 1,3-Dinitrobenzene				0.086	0.090	0.106	0.119	0.129	0.136	0.140	0.115	18.91
50) T Dimethyl phthalate	0.862	0.815	0.815	0.851	0.888	0.935	0.945	0.982	0.969	0.994	0.906	7.52
51) T Acenaphthylene	1.124	1.151	1.153	1.208	1.244	1.286	1.325	1.348	1.337	1.368	1.254	7.27
52) T 2,6-Dinitrotoluene			0.122	0.141	0.154	0.176	0.192	0.199	0.200	0.205	0.174	17.97
53) T 1,2-Dinitrobenzene			0.052	0.065	0.069	0.078	0.083	0.087	0.088	0.088	0.076	17.23
54) I IS2_Naphthalene-d8	-----ISTD-----											
55) T a-Terpineol			0.220	0.227	0.232	0.242	0.255	0.256	0.261	0.266	0.245	6.98
56) T 3-Chloroaniline				0.118	0.117	0.131	0.136	0.132	0.136	0.132	0.129	6.20
57) T 2,6-Dichlorophenol				0.257	0.268	0.288	0.306	0.309	0.320	0.333	0.297	9.24
58) T 1-chloro-2-nitrobenzene			0.112	0.105	0.112	0.118	0.127	0.130	0.137	0.139	0.123	10.31
59) T Caprolactam				0.108	0.117	0.130	0.142	0.147	0.153	0.156	0.136	13.57
60) T 1,2,4,5-Tetrachlorobenzene	0.355	0.348	0.363	0.370	0.369	0.383	0.391	0.385	0.386	0.396	0.375	4.30
61) T Biphenyl	0.995	0.919	0.922	0.943	0.939	0.970	0.987	0.976	0.987	1.006	0.964	3.25
62) I IS1_Acenaphthene-d10	-----ISTD-----											
63) T 3-Nitroaniline			0.225	0.278	0.293	0.315	0.332	0.340	0.354	0.353	0.311	14.21
64) T Acenaphthene	1.035	1.090	1.098	1.117	1.121	1.130	1.112	1.128	1.140	1.147	1.112	2.91
65) T 2,4-Dinitrophenol					0.099	0.118	0.145	0.158	0.182	0.186	*L	0.9982
66) T Dibenzofuran	1.734	1.851	1.799	1.865	1.809	1.845	1.816	1.839	1.861	1.878	1.830	2.30
67) T 2,4-Dinitrotoluene			0.236	0.312	0.333	0.361	0.401	0.416	0.437	0.432	0.366	19.08
68) T 4-Nitrophenol				0.186	0.188	0.217	0.220	0.231	0.241	0.242	0.218	10.60
69) T 2,3,5,6-Tetrachlorophenol			0.280	0.322	0.333	0.352	0.374	0.389	0.402	0.409	0.358	12.42
70) T 2,3,4,6-Tetrachlorophenol			0.305	0.339	0.350	0.371	0.384	0.389	0.408	0.410	0.370	9.81
71) T Diethyl phthalate	1.340	1.362	1.383	1.485	1.499	1.558	1.553	1.571	1.554	1.580	1.489	6.24
72) T Fluorene	1.330	1.389	1.408	1.438	1.407	1.451	1.451	1.464	1.486	1.487	1.431	3.40



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
73) T	4-Chlorophenyl-phenylether	0.687	0.697	0.677	0.693	0.691	0.714	0.697	0.711	0.727	0.735	0.703	2.64
74) T	4-Nitroaniline			0.227	0.270	0.281	0.322	0.337	0.347	0.360	0.345	0.311	14.95
75) T	4,6-Dinitro-o-cresol				0.127	0.129	0.162	0.195	0.212	0.236	0.237	*L	0.9981
76) T	NDPA/DPA	1.121	1.187	1.200	1.273	1.251	1.311	1.287	1.307	1.310	1.317	1.256	5.28
77) T	Azobenzene	1.084	1.078	1.137	1.173	1.154	1.208	1.193	1.205	1.208	1.226	1.167	4.51
78) S	2,4,6-Tribromophenol		0.162	0.187	0.200	0.216	0.221	0.242	0.249	0.265	0.275	0.224	16.66
79) T	4-Bromophenyl-phenylether	0.367	0.411	0.417	0.414	0.425	0.440	0.438	0.446	0.455	0.465	0.428	6.51
80) T	Hexachlorobenzene	0.494	0.469	0.483	0.501	0.487	0.511	0.500	0.512	0.526	0.538	0.502	4.11
81) T	Pentachlorophenol				0.227	0.243	0.265	0.294	0.315	0.334	0.341	0.288	15.44
82) I	IS2_Acenaphthene-d10	-----ISTD-----											
83) T	Dichloran			0.101	0.105	0.113	0.129	0.149	0.162			0.127	19.56
84) T	Pentachloronitrobenzene			0.118	0.129	0.138	0.153	0.166	0.177	0.193	0.202	0.159	19.03
85) I	IS3_Acenaphthene-d10	-----ISTD-----											
86) T	Atrazine		0.238	0.259	0.285	0.323	0.343	0.383	0.418	0.454	0.478	*Q	0.9951
87) I	IS1_Phenanthrene-d10	-----ISTD-----											
88) T	Phenanthrene	1.128	1.133	1.112	1.147	1.132	1.140	1.158	1.151	1.185	1.210	1.150	2.52
89) T	Anthracene	1.030	1.038	1.124	1.126	1.151	1.154	1.189	1.199	1.231	1.255	1.150	6.47
90) T	Carbazole	0.913	0.983	1.043	1.052	1.068	1.093	1.113	1.116	1.139	1.153	1.067	6.94
91) T	Di-n-butylphthalate			1.175	1.128	1.166	1.276	1.366	1.375	1.430	1.483	1.300	10.25
92) T	Fluoranthene	1.141	1.146	1.310	1.275	1.270	1.322	1.345	1.358	1.411	1.401	1.298	7.21
93) T	Benzidine				0.790	0.828	0.907	0.978	0.984	1.045	1.024	0.937	10.44
94) T	Pyrene	1.269	1.283	1.368	1.379	1.369	1.410	1.433	1.436	1.478	1.465	1.389	5.09
95) S	4-Terphenyl-d14	0.887	0.932	1.018	0.999	1.001	1.043	1.062	1.077	1.139	1.125	1.028	7.68
96) T	Butyl benzyl phthalate			0.392	0.412	0.442	0.518	0.576	0.592	0.642	0.636	0.526	19.07
97) I	IS2_Phenanthrene-d10	-----ISTD-----											
98) T	Diphenamid				0.457	0.491	0.520	0.558	0.571	0.602	0.617	0.545	10.71
99) I	IS3_Phenanthrene-d10	-----ISTD-----											
100) T	n-Octadecane		0.318	0.343	0.377	0.388	0.409	0.436	0.433	0.438	0.450	0.399	11.57
101) T	Parathion					0.052	0.055	0.073	0.083	0.103	0.112	*L	0.9909
102) T	3,3'-Dimethylbenzidine					0.584	0.638	0.765	0.837	0.861	0.905	0.765	16.82
103) I	IS1_Chrysene-d12	-----ISTD-----											
104) T	Benzo[a]anthracene	1.221	1.217	1.257	1.230	1.258	1.258	1.281	1.276	1.297	1.286	1.258	2.20
105) T	3,3'-Dichlorobenzidine			0.423	0.451	0.469	0.488	0.512	0.522	0.534	0.531	0.491	8.28
106) T	Chrysene	1.292	1.277	1.258	1.247	1.243	1.255	1.242	1.251	1.207	1.199	1.247	2.23
107) T	bis(2-Ethylhexyl)phthalate		0.497	0.661	0.687	0.727	0.821	0.872	0.915	0.913	0.935	0.781	18.99
108) T	Di-n-octylphthalate			0.999	1.110	1.161	1.379	1.455	1.523	1.552	1.561	1.342	16.48



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
109) T Benzo(b)fluoranthene	1.014	1.173	1.272	1.318	1.250	1.396	1.292	1.259	1.255	1.241	1.247	8.01
110) T Benzo(k)fluoranthene	1.065	1.224	1.253	1.307	1.299	1.195	1.207	1.245	1.196	1.144	1.213	5.92
111) T Benzo(a)pyrene	0.963	1.088	1.210	1.247	1.227	1.234	1.202	1.218	1.201	1.166	1.176	7.43
112) I IS1_Perylene-d12	-----ISTD-----											
113) T Indeno(1,2,3-cd)pyrene	0.906	1.031	1.073	1.077	1.129	1.146	1.159	1.263	1.329	1.124	11.09	
114) T Dibenzo[a,h]anthracene	0.872	1.018	1.075	1.122	1.124	1.144	1.138	1.191	1.224	1.292	1.120	10.33
115) T Benzo(g,h,i)perylene	0.900	1.077	1.103	1.155	1.151	1.127	1.146	1.180	1.201	1.265	1.131	8.53



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Calibration dates : 08/03/21 02:19 08/03/21 16:04

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18198

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t n-Nitrosodimethylamine		0.336	0.380	0.371	0.398	0.379	0.348	0.341	0.361	0.373	5.56
3) t Pyridine		0.518	0.567	0.556	0.661	0.605	0.566	0.565	0.596	0.622	7.19
4) S 2-Fluorophenol		0.419	0.612	0.507	0.568	0.595	0.595	0.567	0.565	0.617	10.79
5) T Aniline		0.836	0.910	0.936	0.820	0.972	0.937	0.874	0.897	0.952	5.80
6) t 2-Chlorophenol		0.657	0.640	0.726	0.659	0.755	0.708	0.679	0.665	0.695	5.09
7) S Phenol-d6		0.628	0.639	0.700	0.654	0.739	0.717	0.693	0.702	0.734	5.93
8) T Phenol		0.656	0.673	0.759	0.736	0.790	0.762	0.754	0.744	0.761	5.84
9) T Bis(2-chloroethyl)ether		0.527	0.546	0.542	0.530	0.538	0.542	0.522	0.507	0.535	2.17
10) T 1,3-Dichlorobenzene		1.079	0.937	1.034	0.887	0.960	0.905	0.826	0.800	0.857	10.21
11) T 1,4-Dichlorobenzene		0.925	0.945	1.068	0.888	1.009	0.919	0.825	0.845	0.847	8.85
12) T 1,2-Dichlorobenzene		0.896	0.878	0.944	0.894	0.910	0.916	0.801	0.798	0.825	6.35
13) t Benzyl alcohol		0.427	0.500	0.468	0.537	0.525	0.491	0.496	0.530	0.539	7.34
14) T Bis(2-chloroisopropyl)...		1.018	1.036	0.984	0.909	1.021	0.947	0.868	0.872	0.885	7.43
15) T 2-Methylphenol		0.488	0.540	0.538	0.595	0.594	0.548	0.560	0.592	0.580	6.31
16) T Hexachloroethane		0.362	0.370	0.397	0.325	0.371	0.358	0.310	0.310	0.322	9.06
17) T n-Nitrosodi-n-propylamine		0.385	0.462	0.447	0.472	0.466	0.452	0.446	0.466	0.469	5.93
18) T 3-Methylphenol/4-Methy...		0.577	0.564	0.567	0.613	0.631	0.601	0.608	0.616	0.616	4.01
19) S Nitrobenzene-d5		0.672	0.737	0.678	0.706	0.727	0.682	0.680	0.697	0.700	3.22
20) T Nitrobenzene		0.589	0.658	0.666	0.688	0.682	0.682	0.666	0.650	0.664	4.22
21) T Isophorone		1.045	1.056	1.195	1.125	1.196	1.183	1.173	1.206	1.244	5.99
22) T 2-Nitrophenol			0.360	0.364	0.398	0.380	0.384	0.383	0.406	0.403	4.46
23) T 2,4-Dimethylphenol		0.599	0.520	0.576	0.591	0.700	0.619	0.636	0.657	0.662	8.56
24) T Bis(2-chloroethoxy)met...		0.840	0.750	0.770	0.789	0.815	0.780	0.753	0.721	0.747	4.74
25) T 2,4-Dichlorophenol			0.599	0.672	0.666	0.758	0.695	0.701	0.679	0.720	6.43
26) T 1,2,4-Trichlorobenzene		0.745	0.859	0.942	0.834	0.869	0.840	0.782	0.778	0.779	7.18
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde			0.483	0.507	0.559	0.566	0.560	0.547	0.568	0.581	6.17
29) T Acetophenone			0.837	0.806	0.871	0.871	0.921	0.908	0.930	0.974	6.09
30) T m-Toluidine			0.748	0.775	0.849	0.873	0.922	0.882	0.939	0.954	8.60
31) T 2-Chloroaniline			0.781	0.806	0.817	0.887	0.901	0.942	0.895	0.932	7.13
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T n-Decane			0.619	0.597	0.608	0.613	0.574	0.604	0.570	0.600	2.94
34) I IS1_Naphthalene-d8	-----ISTD-----										
35) T Naphthalene		0.977	0.987	0.968	0.901	0.939	0.938	0.934	0.957	0.906	3.07
36) T Benzoic Acid					0.181	0.200	0.235	0.255	0.268	0.287	17.09



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Calibration dates : 08/03/21 02:19 08/03/21 16:04

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18198

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound			L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
37)	T	4-Chloroaniline		0.092	0.104	0.096	0.104	0.103	0.106	0.107	0.109	0.116	0.104	6.65
38)	T	Hexachlorobutadiene	0.207	0.236	0.204	0.211	0.213	0.201	0.215	0.221	0.210	0.212	0.213	4.66
39)	T	p-Chloro-m-cresol		0.186	0.218	0.228	0.245	0.240	0.262	0.280	0.281	0.297	0.249	14.13
40)	T	2-Methylnaphthalene	0.581	0.644	0.656	0.645	0.648	0.665	0.674	0.691	0.671	0.691	0.657	4.83
41)	T	1-Methylnaphthalene	0.183	0.248	0.226	0.221	0.212	0.208	0.215	0.225	0.217	0.228	0.218	7.65
42)	T	Hexachlorocyclopentadiene	0.304	0.263	0.292	0.274	0.297	0.291	0.300	0.314	0.308	0.319	0.296	5.86
43)	T	2,4,6-Trichlorophenol			0.209	0.236	0.254	0.255	0.274	0.285	0.274	0.291	0.260	10.50
44)	T	2,4,5-Trichlorophenol			0.251	0.259	0.281	0.281	0.293	0.318	0.303	0.317	0.288	8.64
45)	S	2-Fluorobiphenyl	0.917	0.894	0.865	0.839	0.874	0.867	0.891	0.907	0.861	0.895	0.881	2.71
46)	T	2-Chloronaphthalene	0.708	0.705	0.743	0.712	0.734	0.737	0.740	0.776	0.733	0.763	0.735	3.11
47)	T	2-Nitroaniline			0.167	0.193	0.199	0.206	0.230	0.250	0.246	0.263	*L	0.99
79)														
48)	T	1,4-Dinitrobenzene					0.091	0.102	0.102	0.110	0.112	0.116	0.106	8.70
49)	T	1,3-Dinitrobenzene					0.110	0.110	0.118	0.127	0.119	0.130	0.119	7.08
50)	T	Dimethyl phthalate	0.838	0.882	0.884	0.896	0.934	0.906	0.941	0.963	0.913	0.944	0.910	4.07
51)	T	Acenaphthylene	1.028	1.149	1.148	1.135	1.211	1.193	1.205	1.278	1.201	1.239	1.179	5.83
52)	T	2,6-Dinitrotoluene			0.163	0.165	0.190	0.185	0.191	0.205	0.195	0.207	0.188	8.69
53)	T	1,2-Dinitrobenzene			0.057	0.061	0.065	0.070	0.067	0.072	0.069	0.074	0.067	8.51
54)	I	IS2_Naphthalene-d8	-----ISTD-----											
55)	T	a-Terpineol			0.202	0.210	0.209	0.212	0.222	0.214	0.220	0.222	0.214	3.28
56)	T	3-Chloroaniline				0.108	0.113	0.101	0.111	0.113	0.113	0.116	0.111	4.50
57)	T	2,6-Dichloroph				0.271	0.281	0.299	0.331	0.305	0.317	0.319	0.303	7.02
58)	T	1-chloro-2-nit			0.130	0.116	0.134	0.130	0.126	0.124	0.129	0.128	0.127	4.10
59)	T	Caprolactam				0.088	0.104	0.108	0.129	0.129	0.140	0.140	0.120	16.57
60)	T	1,2,4,5-Tetrachlorobenzene	0.406	0.355	0.358	0.385	0.363	0.377	0.386	0.370	0.361	0.359	0.372	4.44
61)	T	Biphenyl	0.769	0.851	0.849	0.887	0.860	0.858	0.852	0.817	0.829	0.812	0.839	3.93
62)	I	IS1_Acenaphthene-d10	-----ISTD-----											
63)	T	3-Nitroaniline			0.257	0.305	0.283	0.309	0.324	0.323	0.325	0.337	0.308	8.56
64)	T	Acenaphthene	1.179	1.025	1.106	1.015	1.066	0.974	1.001	0.982	0.961	0.988	1.030	6.69
65)	T	2,4-Dinitrophenol					0.191	0.180	0.199	0.212	0.214	0.225	*L	0.99
86)														
66)	T	Dibenzofuran	1.659	1.761	1.675	1.785	1.809	1.707	1.721	1.675	1.629	1.664	1.708	3.48
67)	T	2,4-Dinitrotoluene			0.319	0.387	0.399	0.382	0.400	0.410	0.401	0.406	0.388	7.58
68)	T	4-Nitrophenol				0.215	0.240	0.229	0.241	0.252	0.247	0.254	0.240	5.60
69)	T	2,3,5,6-Tetrachlorophenol			0.344	0.374	0.416	0.380	0.396	0.384	0.391	0.406	0.386	5.68
70)	T	2,3,4,6-Tetrachlorophenol			0.362	0.358	0.379	0.361	0.380	0.374	0.367	0.380	0.370	2.46



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Calibration dates : 08/03/21 02:19 08/03/21 16:04

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18198

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
71)	T	Diethyl phthalate	1.343	1.380	1.320	1.325	1.431	1.376	1.404	1.399	1.381	1.398	1.376	2.62
72)	T	Fluorene	1.300	1.391	1.274	1.338	1.388	1.267	1.318	1.302	1.281	1.300	1.316	3.35
73)	T	4-Chlorophenyl phenyl ...	0.672	0.713	0.649	0.688	0.696	0.632	0.639	0.614	0.602	0.624	0.653	5.78
74)	T	4-Nitroaniline			0.243	0.279	0.321	0.306	0.314	0.330	0.322	0.325	0.305	9.75
75)	T	4,6-Dinitro-o-cresol				0.190	0.227	0.231	0.245	0.249	0.257	0.264	0.238	10.39
76)	T	NDPA/DPA	0.811	1.017	1.084	1.103	1.170	1.123	1.123	1.125	1.092	1.104	1.075	9.37
77)	T	Azobenzene	0.953	0.903	1.023	1.067	1.139	1.067	1.112	1.077	1.042	1.090	1.047	6.85
78)	S	2,4,6-Tribromophenol		0.234	0.224	0.272	0.275	0.260	0.266	0.269	0.274	0.278	0.261	7.35
79)	T	4-Bromophenyl phenyl e...	0.467	0.446	0.444	0.426	0.442	0.406	0.400	0.400	0.402	0.415	0.425	5.61
80)	T	Hexachlorobenzene	0.485	0.567	0.540	0.528	0.569	0.513	0.525	0.518	0.522	0.541	0.531	4.73
81)	T	Pentachlorophenol				0.279	0.321	0.297	0.336	0.339	0.356	0.368	0.328	9.67
82)	I	IS2_Acenaphthene-d10	-----ISTD-----											
83)	T	Dichloran					0.139	0.147	0.174	0.191	0.216	0.212	0.180	18.00
84)	T	Pentachloronit				0.190	0.168	0.178	0.200	0.205	0.207	0.207	0.194	7.97
85)	I	IS3_Acenaphthene-d10	-----ISTD-----											
86)	T	Atrazine		0.260	0.252	0.277	0.299	0.316	0.343	0.359	0.388	0.385	0.320	16.20
87)	I	IS1_Phenanthrene-d10	-----ISTD-----											
88)	T	Phenanthrene	1.089	1.030	1.008	0.963	1.019	0.995	0.997	0.982	0.929	0.968	0.998	4.34
89)	T	Anthracene	0.964	0.930	0.982	0.936	0.996	0.999	1.000	0.986	0.937	0.978	0.971	2.82
90)	T	Carbazole	0.718	0.785	0.856	0.907	0.936	0.933	0.946	0.933	0.910	0.941	0.887	8.72
91)	T	Di-n-butylphthalate			0.907	0.950	1.054	1.071	1.124	1.144	1.123	1.186	1.070	9.07
92)	T	Fluoranthene	1.184	1.198	1.171	1.183	1.203	1.195	1.200	1.193	1.141	1.179	1.185	1.56
93)	T	Benzidine				0.587	0.671	0.737	0.817	0.818	0.810	0.858	0.757	12.89
94)	T	Pyrene	1.179	1.171	1.260	1.248	1.295	1.291	1.278	1.267	1.192	1.211	1.239	3.79
95)	S	4-Terphenyl-d14	0.690	0.820	0.887	0.887	0.890	0.887	0.914	0.892	0.863	0.886	0.862	7.56
96)	T	Butyl benzyl phthalate			0.385	0.401	0.449	0.469	0.527	0.534	0.547	0.582	0.487	14.73
97)	I	IS2_Phenanthrene-d10	-----ISTD-----											
98)	T	Diphenamid			0.309	0.351	0.385	0.391	0.445	0.439	0.465	0.458	0.405	13.82
99)	I	IS3_Phenanthrene-d10	-----ISTD-----											
100)	T	n-Octadecane	0.278	0.288	0.293	0.331	0.328	0.301	0.303	0.317	0.302	0.296	0.304	5.59
101)	T	Parathion				0.063	0.074	0.076	0.091	0.099			0.081	17.81
102)	T	3,3'-Dimethylb				0.390	0.483	0.513	0.621	0.693	0.724	0.738	*L	0.99
89)														
103)	I	IS1_Chrysene-d12	-----ISTD-----											
104)	T	Benzo(a)anthracene	1.175	1.046	1.098	1.117	1.173	1.129	1.138	1.165	1.107	1.139	1.129	3.49
105)	T	3,3'-Dichlorobenzidine			0.323	0.395	0.422	0.440	0.472	0.496	0.470	0.474	0.436	12.90



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Calibration dates : 08/03/21 02:19 08/03/21 16:04

Lab Number : L2141727
 Project Number : 190273.2021
 Ical Ref : ICAL18198

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
106) T	Chrysene	1.112	1.199	1.116	1.120	1.137	1.092	1.084	1.109	1.016	1.025	1.101	4.79
107) T	Bis(2-ethylhexyl)phtha...		0.457	0.528	0.575	0.670	0.690	0.727	0.774	0.748	0.784	*L	0.99
108) T	Di-n-octylphthalate			0.786	0.898	1.026	1.110	1.253	1.337	1.357	1.408	*L	0.99
109) T	Benzo(b)fluoranthene	1.101	1.080	1.145	1.256	1.273	1.199	1.253	1.238	1.221	1.236	1.200	5.68
110) T	Benzo(k)fluoranthene	0.927	1.122	1.182	1.132	1.147	1.177	1.162	1.244	1.137	1.097	1.133	7.29
111) T	Benzo(a)pyrene	0.874	0.941	1.047	1.075	1.165	1.168	1.166	1.218	1.173	1.166	1.099	10.34
112) I	IS1_Perylene-d12	-----ISTD-----											
113) T	Indeno(1,2,3-cd)pyrene		0.799	0.820	0.862	0.921	0.929	0.989	0.984	0.979	1.036	0.924	8.87
114) T	Dibenzo(a,h)anthracene	0.890	0.897	0.953	0.983	1.039	0.995	1.054	1.043	1.027	1.051	0.993	6.23
115) T	Benzo(ghi)perylene	0.906	1.009	1.045	1.058	1.089	1.074	1.100	1.100	1.046	1.083	1.051	5.57



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Lab File ID : ABN0807
 Sample No : WG1532679-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 17:07
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
n-Nitrosodimethylamine	0.385	0.338	-	12.2	20	111	0
Pyridine	0.622	0.512	-	17.7	20	108	0
2-Fluorophenol	0.608	0.607	-	0.2	20	123	0
Aniline	1.05	0.929	-	11.5	20	111	0
2-Chlorophenol	0.75	0.748	-	0.3	20	124	0
Phenol-d6	0.797	0.754	-	5.4	20	118	0
Phenol	0.849	0.787	-	7.3	20	115	0
Bis(2-chloroethyl)ether	0.672	0.626	-	6.8	20	120	0
1,3-Dichlorobenzene	0.938	0.885	-	5.7	20	120	0
1,4-Dichlorobenzene	0.937	0.903	-	3.6	20	118	0
1,2-Dichlorobenzene	0.92	0.864	-	6.1	20	120	0
Benzyl alcohol	0.56	0.532	-	5	20	118	0
Bis(2-chloroisopropyl)ethe	1.148	0.963	-	16.1	20	105	0
2-Methylphenol	0.659	0.619	-	6.1	20	116	0
Hexachloroethane	0.338	0.353	-	-4.4	20	131	0
n-Nitrosodi-n-propylamine	0.497	0.465	-	6.4	20	115	0
3-Methylphenol/4-Methylphe	0.703	0.67	-	4.7	20	118	0
Nitrobenzene-d5	0.688	0.744	-	-8.1	20	134	0
Nitrobenzene	0.676	0.764	-	-13	20	141	0
Isophorone	1.419	1.267	-	10.7	20	110	0
2-Nitrophenol	0.344	0.415	-	-20.6*	20	161	0
2,4-Dimethylphenol	0.772	0.743	-	3.8	20	118	0
Bis(2-chloroethoxy)methane	0.89	0.86	-	3.4	20	120	0
2,4-Dichlorophenol	0.731	0.711	-	2.7	20	122	0
1,2,4-Trichlorobenzene	0.851	0.805	-	5.4	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	131	0
Naphthalene	1.05	0.973	-	7.3	20	121	0
Benzoic Acid	5	5.848	-	-17	20	167	0
4-Chloroaniline	0.118	0.104	-	11.9	20	112	0
Hexachlorobutadiene	0.208	0.198	-	4.8	20	127	0
p-Chloro-m-cresol	0.279	0.263	-	5.7	20	120	0
2-Methylnaphthalene	0.746	0.642	-	13.9	20	110	0
1-Methylnaphthalene	0.239	0.218	-	8.8	20	119	0
Hexachlorocyclopentadiene	0.248	0.264	-	-6.5	20	137	0
2,4,6-Trichlorophenol	0.243	0.233	-	4.1	20	127	0
2,4,5-Trichlorophenol	0.263	0.246	-	6.5	20	121	0
2-Fluorobiphenyl	0.905	0.801	-	11.5	20	114	0
2-Chloronaphthalene	0.744	0.681	-	8.5	20	117	0
2-Nitroaniline	0.198	0.201	-	-1.5	20	135	0
1,4-Dinitrobenzene	0.096	0.1	-	-4.2	20	159	0
1,3-Dinitrobenzene	0.115	0.114	-	0.9	20	141	0
Dimethyl phthalate	0.906	0.821	-	9.4	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Lab File ID : ABN0807
 Sample No : WG1532679-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 17:07
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.254	1.131	-	9.8	20	115	0
2,6-Dinitrotoluene	0.174	0.175	-	-0.6	20	130	0
1,2-Dinitrobenzene	0.076	0.075	-	1.3	20	126	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.311	0.328	-	-5.5	20	126	0
Acenaphthene	1.112	1.077	-	3.1	20	115	0
2,4-Dinitrophenol	5	6.204	-	-24.1*	20	172	0
Dibenzofuran	1.83	1.732	-	5.4	20	113	0
2,4-Dinitrotoluene	0.366	0.396	-	-8.2	20	132	0
4-Nitrophenol	0.218	0.234	-	-7.3	20	130	0
2,3,5,6-Tetrachlorophenol	0.358	0.368	-	-2.8	20	126	0
2,3,4,6-Tetrachlorophenol	0.37	0.361	-	2.4	20	117	0
Diethyl phthalate	1.489	1.476	-	0.9	20	114	0
Fluorene	1.431	1.356	-	5.2	20	113	0
4-Chlorophenyl phenyl ethe	0.703	0.671	-	4.6	20	113	0
4-Nitroaniline	0.311	0.32	-	-2.9	20	120	0
4,6-Dinitro-o-cresol	5	6.081	-	-21.6*	20	171	0
NDPA/DPA	1.256	1.177	-	6.3	20	108	0
Azobenzene	1.167	1.133	-	2.9	20	113	0
2,4,6-Tribromophenol	0.224	0.255	-	-13.8	20	139	0
4-Bromophenyl phenyl ether	0.428	0.415	-	3	20	114	0
Hexachlorobenzene	0.502	0.501	-	0.2	20	118	0
Pentachlorophenol	0.288	0.232	-	19.4	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	119	0
Phenanthrene	1.15	1.05	-	8.7	20	110	0
Anthracene	1.15	1.06	-	7.8	20	110	0
Carbazole	1.067	0.975	-	8.6	20	107	0
Di-n-butylphthalate	1.3	1.181	-	9.2	20	111	0
Fluoranthene	1.298	1.189	-	8.4	20	107	0
Benzidine	0.937	0.802	-	14.4	20	106	0
Pyrene	1.389	1.315	-	5.3	20	111	0
4-Terphenyl-d14	1.028	0.98	-	4.7	20	112	0
Butyl benzyl phthalate	0.526	0.539	-	-2.5	20	124	0
IS1_Chrysene-d12	1	1	-	0	20	115	0
Benzo(a)anthracene	1.258	1.232	-	2.1	20	113	0
3,3'-Dichlorobenzidine	0.491	0.452	-	7.9	20	107	0
Chrysene	1.247	1.133	-	9.1	20	104	0
Bis(2-ethylhexyl)phthalate	0.781	0.783	-	-0.3	20	110	0
Di-n-octylphthalate	1.342	1.287	-	4.1	20	108	0
Benzo(b)fluoranthene	1.247	1.21	-	3	20	100	0
Benzo(k)fluoranthene	1.213	1.201	-	1	20	116	0
Benzo(a)pyrene	1.176	1.184	-	-0.7	20	111	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Lab File ID : ABN0807
 Sample No : WG1532679-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/07/21 17:07
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.124	0.942	-	16.2	20	99	0
Dibenzo(a,h)anthracene	1.12	1.026	-	8.4	20	107	0
Benzo(ghi)perylene	1.131	1.092	-	3.4	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Lab File ID : ABN0809
 Sample No : WG1532846-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/09/21 06:37
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	115	0
n-Nitrosodimethylamine	0.385	0.347	-	9.9	20	104	0
Pyridine	0.622	0.581	-	6.6	20	112	0
2-Fluorophenol	0.608	0.626	-	-3	20	116	0
Aniline	1.05	0.939	-	10.6	20	102	0
2-Chlorophenol	0.75	0.75	-	0	20	114	0
Phenol-d6	0.797	0.773	-	3	20	110	0
Phenol	0.849	0.813	-	4.2	20	109	0
Bis(2-chloroethyl)ether	0.672	0.623	-	7.3	20	109	0
1,3-Dichlorobenzene	0.938	0.856	-	8.7	20	106	0
1,4-Dichlorobenzene	0.937	0.891	-	4.9	20	107	0
1,2-Dichlorobenzene	0.92	0.847	-	7.9	20	107	0
Benzyl alcohol	0.56	0.56	-	0	20	114	0
Bis(2-chloroisopropyl)ethe	1.148	0.952	-	17.1	20	95	0
2-Methylphenol	0.659	0.621	-	5.8	20	106	0
Hexachloroethane	0.338	0.346	-	-2.4	20	117	0
n-Nitrosodi-n-propylamine	0.497	0.472	-	5	20	106	0
3-Methylphenol/4-Methylphe	0.703	0.678	-	3.6	20	109	0
Nitrobenzene-d5	0.688	0.747	-	-8.6	20	123	0
Nitrobenzene	0.676	0.81	-	-19.8	20	136	0
Isophorone	1.419	1.26	-	11.2	20	100	0
2-Nitrophenol	0.344	0.412	-	-19.8	20	146	0
2,4-Dimethylphenol	0.772	0.736	-	4.7	20	106	0
Bis(2-chloroethoxy)methane	0.89	0.842	-	5.4	20	107	0
2,4-Dichlorophenol	0.731	0.702	-	4	20	110	0
1,2,4-Trichlorobenzene	0.851	0.794	-	6.7	20	105	0
IS1_Naphthalene-d8	1	1	-	0	20	119	0
Naphthalene	1.05	0.966	-	8	20	110	0
Benzoic Acid	5	5.087	-	-1.7	20	123	0
4-Chloroaniline	0.118	0.105	-	11	20	103	0
Hexachlorobutadiene	0.208	0.189	-	9.1	20	111	0
p-Chloro-m-cresol	0.279	0.267	-	4.3	20	111	0
2-Methylnaphthalene	0.746	0.648	-	13.1	20	102	0
1-Methylnaphthalene	0.239	0.214	-	10.5	20	106	0
Hexachlorocyclopentadiene	0.248	0.251	-	-1.2	20	119	0
2,4,6-Trichlorophenol	0.243	0.229	-	5.8	20	114	0
2,4,5-Trichlorophenol	0.263	0.242	-	8	20	109	0
2-Fluorobiphenyl	0.905	0.778	-	14	20	101	0
2-Chloronaphthalene	0.744	0.672	-	9.7	20	106	0
2-Nitroaniline	0.198	0.214	-	-8.1	20	131	0
1,4-Dinitrobenzene	0.096	0.098	-	-2.1	20	142	0
1,3-Dinitrobenzene	0.115	0.111	-	3.5	20	125	0
Dimethyl phthalate	0.906	0.798	-	11.9	20	102	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV106
 Lab File ID : ABN0809
 Sample No : WG1532846-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/09/21 06:37
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.254	1.12	-	10.7	20	104	0
2,6-Dinitrotoluene	0.174	0.176	-	-1.1	20	119	0
1,2-Dinitrobenzene	0.076	0.075	-	1.3	20	115	0
IS1_Acenaphthene-d10	1	1	-	0	20	107	0
3-Nitroaniline	0.311	0.357	-	-14.8	20	121	0
Acenaphthene	1.112	1.073	-	3.5	20	102	0
2,4-Dinitrophenol	5	6.345	-	-26.9*	20	158	0
Dibenzofuran	1.83	1.765	-	3.6	20	102	0
2,4-Dinitrotoluene	0.366	0.408	-	-11.5	20	121	0
4-Nitrophenol	0.218	0.27	-	-23.9*	20	133	0
2,3,5,6-Tetrachlorophenol	0.358	0.377	-	-5.3	20	115	0
2,3,4,6-Tetrachlorophenol	0.37	0.362	-	2.2	20	104	0
Diethyl phthalate	1.489	1.447	-	2.8	20	99	0
Fluorene	1.431	1.364	-	4.7	20	101	0
4-Chlorophenyl phenyl ethe	0.703	0.657	-	6.5	20	98	0
4-Nitroaniline	0.311	0.352	-	-13.2	20	117	0
4,6-Dinitro-o-cresol	5	6.2	-	-24*	20	156	0
NDPA/DPA	1.256	1.199	-	4.5	20	98	0
Azobenzene	1.167	1.191	-	-2.1	20	106	0
2,4,6-Tribromophenol	0.224	0.252	-	-12.5	20	122	0
4-Bromophenyl phenyl ether	0.428	0.411	-	4	20	100	0
Hexachlorobenzene	0.502	0.494	-	1.6	20	103	0
Pentachlorophenol	0.288	0.249	-	13.5	20	101	0
IS1_Phenanthrene-d10	1	1	-	0	20	107	0
Phenanthrene	1.15	1.072	-	6.8	20	100	0
Anthracene	1.15	1.084	-	5.7	20	100	0
Carbazole	1.067	1.029	-	3.6	20	100	0
Di-n-butylphthalate	1.3	1.163	-	10.5	20	97	0
Fluoranthene	1.298	1.254	-	3.4	20	101	0
Benzidine	0.937	0.827	-	11.7	20	97	0
Pyrene	1.389	1.344	-	3.2	20	102	0
4-Terphenyl-d14	1.028	0.958	-	6.8	20	98	0
Butyl benzyl phthalate	0.526	0.545	-	-3.6	20	112	0
IS1_Chrysene-d12	1	1	-	0	20	109	0
Benzo(a)anthracene	1.258	1.224	-	2.7	20	106	0
3,3'-Dichlorobenzidine	0.491	0.451	-	8.1	20	101	0
Chrysene	1.247	1.133	-	9.1	20	98	0
Bis(2-ethylhexyl)phthalate	0.781	0.747	-	4.4	20	99	0
Di-n-octylphthalate	1.342	1.299	-	3.2	20	103	0
Benzo(b)fluoranthene	1.247	1.265	-	-1.4	20	99	0
Benzo(k)fluoranthene	1.213	1.23	-	-1.4	20	112	0
Benzo(a)pyrene	1.176	1.229	-	-4.5	20	109	0
IS1_Perylene-d12	1	1	-	0	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Instrument ID : SV106
Lab File ID : ABN0809
Sample No : WG1532846-3
Channel :

Lab Number : L2141727
Project Number : 190273.2021
Calibration Date : 08/09/21 06:37
Init. Calib. Date(s) : 07/01/21 07/02/21
Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.124	1.022	-	9.1	20	105	0
Dibenzo(a,h)anthracene	1.12	1.083	-	3.3	20	110	0
Benzo(ghi)perylene	1.131	1.136	-	-0.4	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Lab File ID : ABN0810
 Sample No : WG1533277-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/10/21 06:25
 Init. Calib. Date(s) : 08/03/21 08/03/21
 Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
n-Nitrosodimethylamine	0.365	0.345	-	5.5	20	95	0
Pyridine	0.584	0.591	-	-1.2	20	102	0
2-Fluorophenol	0.566	0.583	-	-3	20	103	0
Aniline	0.91	0.907	-	0.3	20	102	0
2-Chlorophenol	0.687	0.673	-	2	20	100	0
Phenol-d6	0.694	0.672	-	3.2	20	98	0
Phenol	0.741	0.741	-	0	20	102	0
Bis(2-chloroethyl)ether	0.531	0.506	-	4.7	20	98	0
1,3-Dichlorobenzene	0.911	0.806	-	11.5	20	93	0
1,4-Dichlorobenzene	0.91	0.847	-	6.9	20	97	0
1,2-Dichlorobenzene	0.866	0.793	-	8.4	20	91	0
Benzyl alcohol	0.501	0.466	-	7	20	93	0
Bis(2-chloroisopropyl)ethe	0.94	0.878	-	6.6	20	97	0
2-Methylphenol	0.559	0.543	-	2.9	20	96	0
Hexachloroethane	0.344	0.308	-	10.5	20	90	0
n-Nitrosodi-n-propylamine	0.452	0.441	-	2.4	20	99	0
3-Methylphenol/4-Methylphe	0.599	0.558	-	6.8	20	93	0
Nitrobenzene-d5	0.698	0.645	-	7.6	20	93	0
Nitrobenzene	0.661	0.617	-	6.7	20	95	0
Isophorone	1.167	1.05	-	10	20	93	0
2-Nitrophenol	0.385	0.335	-	13	20	92	0
2,4-Dimethylphenol	0.623	0.588	-	5.6	20	100	0
Bis(2-chloroethoxy)methane	0.77	0.679	-	11.8	20	91	0
2,4-Dichlorophenol	0.69	0.65	-	5.8	20	98	0
1,2,4-Trichlorobenzene	0.821	0.755	-	8	20	94	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	0.943	0.926	-	1.8	20	93	0
Benzoic Acid	0.238	0.198	-	16.8	20	94	0
4-Chloroaniline	0.104	0.103	-	1	20	94	0
Hexachlorobutadiene	0.213	0.203	-	4.7	20	96	0
p-Chloro-m-cresol	0.249	0.253	-	-1.6	20	100	0
2-Methylnaphthalene	0.657	0.635	-	3.3	20	90	0
1-Methylnaphthalene	0.218	0.211	-	3.2	20	96	0
Hexachlorocyclopentadiene	0.296	0.273	-	7.8	20	89	0
2,4,6-Trichlorophenol	0.26	0.232	-	10.8	20	86	0
2,4,5-Trichlorophenol	0.288	0.256	-	11.1	20	86	0
2-Fluorobiphenyl	0.881	0.808	-	8.3	20	88	0
2-Chloronaphthalene	0.735	0.672	-	8.6	20	86	0
2-Nitroaniline	5	4.4	-	12	20	91	0
1,4-Dinitrobenzene	0.106	0.084	-	20.8*	20	78	0
1,3-Dinitrobenzene	0.119	0.105	-	11.8	20	90	0
Dimethyl phthalate	0.91	0.83	-	8.8	20	87	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Lab File ID : ABN0810
 Sample No : WG1533277-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/10/21 06:25
 Init. Calib. Date(s) : 08/03/21 08/03/21
 Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.179	1.111	-	5.8	20	88	0
2,6-Dinitrotoluene	0.188	0.173	-	8	20	88	0
1,2-Dinitrobenzene	0.067	0.061	-	9	20	83	0
IS1_Acenaphthene-d10	1	1	-	0	20	86	0
3-Nitroaniline	0.308	0.304	-	1.3	20	85	0
Acenaphthene	1.03	1.007	-	2.2	20	89	0
2,4-Dinitrophenol	5	4.644	-	7.1	20	85	0
Dibenzofuran	1.708	1.678	-	1.8	20	85	0
2,4-Dinitrotoluene	0.388	0.371	-	4.4	20	84	0
4-Nitrophenol	0.24	0.239	-	0.4	20	90	0
2,3,5,6-Tetrachlorophenol	0.386	0.391	-	-1.3	20	89	0
2,3,4,6-Tetrachlorophenol	0.37	0.354	-	4.3	20	85	0
Diethyl phthalate	1.376	1.335	-	3	20	84	0
Fluorene	1.316	1.257	-	4.5	20	86	0
4-Chlorophenyl phenyl ethe	0.653	0.61	-	6.6	20	83	0
4-Nitroaniline	0.305	0.284	-	6.9	20	80	0
4,6-Dinitro-o-cresol	0.238	0.199	-	16.4	20	74	0
NDPA/DPA	1.075	1.111	-	-3.3	20	85	0
Azobenzene	1.047	1.063	-	-1.5	20	86	0
2,4,6-Tribromophenol	0.261	0.247	-	5.4	20	82	0
4-Bromophenyl phenyl ether	0.425	0.381	-	10.4	20	81	0
Hexachlorobenzene	0.531	0.502	-	5.5	20	85	0
Pentachlorophenol	0.328	0.292	-	11	20	85	0
IS1_Phenanthrene-d10	1	1	-	0	20	82	0
Phenanthrene	0.998	1.031	-	-3.3	20	85	0
Anthracene	0.971	1.013	-	-4.3	20	83	0
Carbazole	0.887	0.965	-	-8.8	20	85	0
Di-n-butylphthalate	1.07	1.047	-	2.1	20	80	0
Fluoranthene	1.185	1.201	-	-1.4	20	82	0
Benzidine	0.757	0.754	-	0.4	20	84	0
Pyrene	1.239	1.297	-	-4.7	20	82	0
4-Terphenyl-d14	0.862	0.893	-	-3.6	20	82	0
Butyl benzyl phthalate	0.487	0.461	-	5.3	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	79	0
Benzo(a)anthracene	1.129	1.171	-	-3.7	20	82	0
3,3'-Dichlorobenzidine	0.436	0.45	-	-3.2	20	81	0
Chrysene	1.101	1.098	-	0.3	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.673	-	6.5	20	78	0
Di-n-octylphthalate	5	4.719	-	5.6	20	81	0
Benzo(b)fluoranthene	1.2	1.274	-	-6.2	20	84	0
Benzo(k)fluoranthene	1.133	1.216	-	-7.3	20	82	0
Benzo(a)pyrene	1.099	1.189	-	-8.2	20	81	0
IS1_Perylene-d12	1	1	-	0	20	79	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Instrument ID : DAKOTA
Lab File ID : ABN0810
Sample No : WG1533277-3
Channel :

Lab Number : L2141727
Project Number : 190273.2021
Calibration Date : 08/10/21 06:25
Init. Calib. Date(s) : 08/03/21 08/03/21
Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	0.924	0.991	-	-7.3	20	84	0
Dibenzo(a,h)anthracene	0.993	1.067	-	-7.5	20	85	0
Benzo(ghi)perylene	1.051	1.128	-	-7.3	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Lab File ID : ABN0812
 Sample No : WG1534264-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/12/21 08:02
 Init. Calib. Date(s) : 08/03/21 08/03/21
 Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
n-Nitrosodimethylamine	0.365	0.374	-	-2.5	20	102	0
Pyridine	0.584	0.576	-	1.4	20	98	0
2-Fluorophenol	0.566	0.573	-	-1.2	20	100	0
Aniline	0.91	0.871	-	4.3	20	96	0
2-Chlorophenol	0.687	0.657	-	4.4	20	96	0
Phenol-d6	0.694	0.665	-	4.2	20	96	0
Phenol	0.741	0.705	-	4.9	20	96	0
Bis(2-chloroethyl)ether	0.531	0.52	-	2.1	20	99	0
1,3-Dichlorobenzene	0.911	0.796	-	12.6	20	91	0
1,4-Dichlorobenzene	0.91	0.829	-	8.9	20	93	0
1,2-Dichlorobenzene	0.866	0.79	-	8.8	20	89	0
Benzyl alcohol	0.501	0.476	-	5	20	94	0
Bis(2-chloroisopropyl)ethe	0.94	0.896	-	4.7	20	98	0
2-Methylphenol	0.559	0.539	-	3.6	20	94	0
Hexachloroethane	0.344	0.343	-	0.3	20	99	0
n-Nitrosodi-n-propylamine	0.452	0.393	-	13.1	20	87	0
3-Methylphenol/4-Methylphe	0.599	0.574	-	4.2	20	94	0
Nitrobenzene-d5	0.698	0.666	-	4.6	20	95	0
Nitrobenzene	0.661	0.641	-	3	20	97	0
Isophorone	1.167	1.07	-	8.3	20	93	0
2-Nitrophenol	0.385	0.33	-	14.3	20	90	0
2,4-Dimethylphenol	0.623	0.632	-	-1.4	20	106	0
Bis(2-chloroethoxy)methane	0.77	0.72	-	6.5	20	95	0
2,4-Dichlorophenol	0.69	0.622	-	9.9	20	93	0
1,2,4-Trichlorobenzene	0.821	0.74	-	9.9	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	0.943	0.939	-	0.4	20	93	0
Benzoic Acid	0.238	0.192	-	19.3	20	89	0
4-Chloroaniline	0.104	0.106	-	-1.9	20	95	0
Hexachlorobutadiene	0.213	0.204	-	4.2	20	94	0
p-Chloro-m-cresol	0.249	0.245	-	1.6	20	94	0
2-Methylnaphthalene	0.657	0.633	-	3.7	20	88	0
1-Methylnaphthalene	0.218	0.214	-	1.8	20	95	0
Hexachlorocyclopentadiene	0.296	0.273	-	7.8	20	87	0
2,4,6-Trichlorophenol	0.26	0.242	-	6.9	20	88	0
2,4,5-Trichlorophenol	0.288	0.25	-	13.2	20	82	0
2-Fluorobiphenyl	0.881	0.826	-	6.2	20	88	0
2-Chloronaphthalene	0.735	0.69	-	6.1	20	87	0
2-Nitroaniline	5	4.416	-	11.7	20	90	0
1,4-Dinitrobenzene	0.106	0.085	-	19.8	20	77	0
1,3-Dinitrobenzene	0.119	0.103	-	13.4	20	87	0
Dimethyl phthalate	0.91	0.814	-	10.5	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : DAKOTA
 Lab File ID : ABN0812
 Sample No : WG1534264-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/12/21 08:02
 Init. Calib. Date(s) : 08/03/21 08/03/21
 Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.179	1.137	-	3.6	20	88	0
2,6-Dinitrotoluene	0.188	0.183	-	2.7	20	92	0
1,2-Dinitrobenzene	0.067	0.061	-	9	20	81	0
IS1_Acenaphthene-d10	1	1	-	0	20	86	0
3-Nitroaniline	0.308	0.292	-	5.2	20	82	0
Acenaphthene	1.03	0.968	-	6	20	86	0
2,4-Dinitrophenol	5	4.342	-	13.2	20	78	0
Dibenzofuran	1.708	1.676	-	1.9	20	85	0
2,4-Dinitrotoluene	0.388	0.364	-	6.2	20	82	0
4-Nitrophenol	0.24	0.248	-	-3.3	20	93	0
2,3,5,6-Tetrachlorophenol	0.386	0.355	-	8	20	81	0
2,3,4,6-Tetrachlorophenol	0.37	0.35	-	5.4	20	84	0
Diethyl phthalate	1.376	1.339	-	2.7	20	84	0
Fluorene	1.316	1.267	-	3.7	20	86	0
4-Chlorophenyl phenyl ethe	0.653	0.612	-	6.3	20	84	0
4-Nitroaniline	0.305	0.303	-	0.7	20	86	0
4,6-Dinitro-o-cresol	0.238	0.205	-	13.9	20	77	0
NDPA/DPA	1.075	1.084	-	-0.8	20	83	0
Azobenzene	1.047	1.146	-	-9.5	20	93	0
2,4,6-Tribromophenol	0.261	0.253	-	3.1	20	84	0
4-Bromophenyl phenyl ether	0.425	0.382	-	10.1	20	81	0
Hexachlorobenzene	0.531	0.505	-	4.9	20	85	0
Pentachlorophenol	0.328	0.293	-	10.7	20	85	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	0.998	0.987	-	1.1	20	80	0
Anthracene	0.971	1.009	-	-3.9	20	82	0
Carbazole	0.887	0.963	-	-8.6	20	83	0
Di-n-butylphthalate	1.07	1.099	-	-2.7	20	83	0
Fluoranthene	1.185	1.2	-	-1.3	20	81	0
Benzidine	0.757	0.711	-	6.1	20	78	0
Pyrene	1.239	1.293	-	-4.4	20	81	0
4-Terphenyl-d14	0.862	0.89	-	-3.2	20	81	0
Butyl benzyl phthalate	0.487	0.499	-	-2.5	20	86	0
IS1_Chrysene-d12	1	1	-	0	20	80	0
Benzo(a)anthracene	1.129	1.127	-	0.2	20	80	0
3,3'-Dichlorobenzidine	0.436	0.435	-	0.2	20	79	0
Chrysene	1.101	1.087	-	1.3	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.667	-	6.7	20	79	0
Di-n-octylphthalate	5	4.72	-	5.6	20	82	0
Benzo(b)fluoranthene	1.2	1.207	-	-0.6	20	81	0
Benzo(k)fluoranthene	1.133	1.168	-	-3.1	20	80	0
Benzo(a)pyrene	1.099	1.149	-	-4.5	20	79	0
IS1_Perylene-d12	1	1	-	0	20	79	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY
Instrument ID : DAKOTA
Lab File ID : ABN0812
Sample No : WG1534264-3
Channel :

Lab Number : L2141727
Project Number : 190273.2021
Calibration Date : 08/12/21 08:02
Init. Calib. Date(s) : 08/03/21 08/03/21
Init. Calib. Times : 02:19 16:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	0.924	0.912	-	1.3	20	78	0
Dibenzo(a,h)anthracene	0.993	0.991	-	0.2	20	79	0
Benzo(ghi)perylene	1.051	1.075	-	-2.3	20	80	0

* Value outside of QC limits.



SVOC SIM Data Section



Geology
Hydrology
Remediation
Water Supply

**QA/QC Review of Method 8270D SIM Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2141727**

**7 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for pentachlorophenol was above the allowable maximum (20%) on 08-08-21 (WG1532754-3). Positive results for pentachlorophenol should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected. The equipment blank contained traces of phenanthrene (0.03 ug/L) and 2-methylnaphthalene (0.02 ug/L). Positive results for phenanthrene and 2-methylnaphthalene that are less than 5 times the highest blank level should be considered not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5A.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and percent recoveries were within QC limits for aqueous samples WG1532511-2/3 and WG1532932-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5A/DUP-2 reported target compounds as either not detected or below the lowest standard in one or both samples; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds were within GC/MS quantitation limits.

Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : SV128
 Lab File ID : CCV0808A
 Sample No : WG1532754-3
 Channel :

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/08/21 13:35
 Init. Calib. Date(s) : 08/02/21 08/02/21
 Init. Calib. Times : 12:47 15:41

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	76	0
2-Fluorophenol	0.972	0.932	.05	4.1	20	77	0
Phenol-d6	1.137	1.092	.05	4	20	77	0
Bis(2-chloroethyl)ether	0.979	0.994	.05	-1.5	20	79	0
n-nitrosodi-n-propylamine	0.615	0.639	.05	-3.9	20	82	0
Hexachloroethane	0.406	0.448	.05	-10.3	20	86	0
Nitrobenzene-d5	0.656	0.821	.05	-25.2*	20	99	0
Naphthalene-d8	1	1	.05	0	20	77	0
Naphthalene	1.013	1.042	.05	-2.9	20	81	0
Hexachlorobutadiene	0.19	0.203	.05	-6.8	20	83	0
2-Methylnaphthalene	0.669	0.665	.05	0.6	20	78	0
1-Methylnaphthalene	0.617	0.641	.05	-3.9	20	81	0
2-Fluorobiphenyl	0.814	0.829	.05	-1.8	20	81	0
2-Chloronaphthalene	0.673	0.687	.05	-2.1	20	81	0
2,6-Dinitrotoluene	0.056	0.085	.05	-51.8*	20	121	0
Acenaphthylene	1.015	1.045	.05	-3	20	81	0
Acenaphthene-d10	1	1	.05	0	20	77	0
Acenaphthene	1.317	1.362	.05	-3.4	20	81	0
2,4-Dinitrotoluene	0.128	0.197	.05	-53.9*	20	118	0
Fluorene	1.351	1.394	.05	-3.2	20	82	0
2,4,6-Tribromophenol	0.138	0.18	.05	-30.4*	20	110	0
Phenanthrene-d10	1	1	.05	0	20	79	0
4,6-Dinitro-o-cresol	1000	1323.772	.05	-32.4*	20	123	0
Hexachlorobenzene	0.268	0.264	.05	1.5	20	83	0
Pentachlorophenol	1000	1211.061	.05	-21.1*	20	100	0
Phenanthrene	1.126	1.102	.05	2.1	20	80	0
Anthracene	1.073	1.101	.05	-2.6	20	82	0
Fluoranthene	1.199	1.177	.05	1.8	20	83	0
Pyrene	1.22	1.237	.05	-1.4	20	82	0
4-Terphenyl-d14	0.761	0.726	.05	4.6	20	79	0
Chrysene-d12	1	1	.05	0	20	75	0
Benzo[a]anthracene	1000	1009.623	.05	-1	20	77	0
3,3'-Dichlorobenzene	0.411	0.44	.05	-7.1	20	86	0
Chrysene	1.34	1.462	.05	-9.1	20	83	0
Bis(2-ethylhexyl)phthalate	1000	1454.256	.05	-45.4*	20	116	0
Perylene-d12	1	1	.05	0	20	74	0
Benzo[b]fluoranthene	1.276	1.275	.05	0.1	20	78	0
Benzo[k]fluoranthene	1.223	1.378	.05	-12.7	20	82	0
Benzo[a]pyrene	1.172	1.234	.05	-5.3	20	80	0
Indeno[1,2,3-cd]pyrene	1.041	0.999	.05	4	20	75	0
Dibenzo[a,h]anthracene	1.075	1.163	.05	-8.2	20	82	0
Benzo[g,h,i]perylene	1.191	1.288	.05	-8.1	20	81	0

* Value outside of QC limits.



Pesticide Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2141727**

**7 Ground Water Sample, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of method blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for aqueous MS/MSD sample MW-5A.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1531969-2/3, WG1531969-2/3, WG1532693-2/3, and WG1532745-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-1/DUP reported target pesticides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The average %D for chlordane was above the allowable maximum (20%) for channel A on 08-08-21 (10210808a-06). The average %D for chlordane were above the allowable maximum (20%) for channel A on 08-09-21 (10210809a-04). Positive for chlordane should be considered estimated (J) in associated samples.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analyses of the ground water samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of the ground water samples reported target multi-component pesticides as not detected.

Calibration Verification Summary

Form 7

Pesticides

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : PEST10
 Lab File ID : 10210808a-06
 Sample No : WG1532751-2
 Channel : A

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/08/21 12:52
 Init. Calib. Date(s) : 03/31/21 03/31/21
 Init. Calib. Times : 16:32 20:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	71	0
chlordane-1	1000	664.362	-	33.6*	20	49	0
chlordane-3	1000	692.691	-	30.7*	20	51	0
chlordane-4	1000	779.813	-	22*	20	57	0
chlordane-5	1000	747.654	-	25.2*	20	56	0

ave %D = 27.9%

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Pesticides

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : PEST10
 Lab File ID : 10210809a-04
 Sample No : WG1532997-2
 Channel : A

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/09/21 09:53
 Init. Calib. Date(s) : 03/31/21 03/31/21
 Init. Calib. Times : 16:32 20:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	81	0
chlordane-1	1000	624.629	-	37.5*	20	53	0
chlordane-3	1000	655.711	-	34.4*	20	55	0
chlordane-4	1000	735.423	-	26.5*	20	62	0
chlordane-5	1000	724.895	-	27.5*	20	62	0

ave %D = 31.5%

* Value outside of QC limits.



PCB Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2141727**

**7 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5A.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for aqueous samples WG1532694-2/3 and WG1532801-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5A/DUP-2 reported target aroclors as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The average %RSDs for aroclor 1016 and aroclor 1260 were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor 1260 were below the allowable maximum (20%) for both columns, as required

PCB Identification Summary: Checked surrogate and aroclor results were within quantitation limits. The RPD for dual quantitation of aroclor 1254 in sample MW-1A was above the allowable maximum (25%) but not above 25% and the higher result was reported. The positive result for aroclor 1254 should be considered estimated, biased high in sample MW-1A.

The RPD for dual quantitation of aroclor 1248 in sample MW-4B was above the allowable maximum (25%) but not above 25% and the higher result was reported. The positive result for aroclor 1248 should be considered estimated, biased high in sample MW-4B.

Identification Summary

Form 10

PCBs

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab Sample ID : L2141727-11
 Client ID : **MW-1A**
 Date Analyzed (1) : 08/10/21 15:13
 Instrument ID (1) : PEST2
 GC Column (1) : CLP-Pesticide

Lab Number : L2141727
 Project Number : 190273.2021
 Date Analyzed (2) : 08/10/21 15:13
 Instrument ID (2) : PEST2
 GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration		
AROCOR 1254	1	2.33	2.34	2.44	43.5			
	2	2.44	2.46	2.56	28.6			
	3	2.63	2.65	2.75	26.2			
	4	2.76	2.79	2.89	13.7			
	5	2.98	3.02	3.12	9.53	0.173		
COLUMN 1	1	2.67	2.69	2.79	67.6			
	2	2.76	2.78	2.88	33.1			
	3	2.99	3.02	3.12	37.2			
	4	3.10	3.14	3.24	14.2			
	5	3.37	3.43	3.53	14.9	0.238	32	
COLUMN 2	1	2.67	2.69	2.79	67.6			
	2	2.76	2.78	2.88	33.1			
	3	2.99	3.02	3.12	37.2			
	4	3.10	3.14	3.24	14.2			
	5	3.37	3.43	3.53	14.9	0.238	32	

Identification Summary

Form 10

PCBs

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Lab Sample ID : L2141727-15
 Client ID : **MW-4B**
 Date Analyzed (1) : 08/10/21 15:36
 Instrument ID (1) : PEST2
 GC Column (1) : CLP-Pesticide

Lab Number : L2141727
 Project Number : 190273.2021
 Date Analyzed (2) : 08/10/21 15:36
 Instrument ID (2) : PEST2
 GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration		
AROCOR 1248	1	1.94	1.90	2.00	9.45			
	2	2.07	2.03	2.13	23.2			
	3	2.16	2.13	2.23	19.8			
	4	2.35	2.31	2.41	4.45			
	5	2.36	2.32	2.42	4.12	0.0872		
COLUMN 1	1	2.20	2.15	2.25	14.1			
	2	2.34	2.31	2.41	23.9			
	3	2.47	2.43	2.53	26.5			
	4	2.65	2.61	2.71	8.03			
	5	2.67	2.63	2.73	7.55	0.114	27	
COLUMN 2	1	2.20	2.15	2.25	14.1			
	2	2.34	2.31	2.41	23.9			
	3	2.47	2.43	2.53	26.5			
	4	2.65	2.61	2.71	8.03			
	5	2.67	2.63	2.73	7.55	0.114	27	

Herbicide Data Section



**QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2141727**

Geology

Hydrology

Remediation

Water Supply

**7 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries for target herbicides were within QC limits, but relative percent difference for 2,4-D was above the allowable maximum for aqueous MS/MSD sample MW-5A. Sample MW-5A reported 2,4-D as “not detected”; therefore, no action is taken.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for ground water samples WG1532686-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5A/DUP-2 reported target herbicides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs for target herbicides were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %D for 2,4-D was above the allowable maximum (15%) for channel B on 08-10-21 (22210810a-02). Positive results for 2,4-D should be considered estimated (J) in associated samples.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the ground water samples reported target herbicides as not detected.

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Matrix Spike Sample Summary

Form 3

Pesticides

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-5A
 Lab Sample ID : L2141727-09
 Matrix Spike : WG1532686-4
 Matrix Spike Dup : WG1532686-5

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 Analysis Date : 08/09/21 14:09
 MS Analysis Date : 08/09/21 14:27
 MSD Analysis Date : 08/09/21 14:45

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
2,4-D	ND	5	3.57J	71	5	2.63J	53	30 Q	30-150	25
2,4,5-T	ND	5	3.41	68	5	2.68	54	24	30-150	25
2,4,5-TP (Silvex)	ND	5	3.50	70	5	2.92	58	18	30-150	25



Calibration Verification Summary

Form 7

Pesticides

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Instrument ID : PEST22
 Lab File ID : 22210810a-02
 Sample No : WG1533419-1
 Channel : B

Lab Number : L2141727
 Project Number : 190273.2021
 Calibration Date : 08/10/21 08:49
 Init. Calib. Date(s) : 02/10/21 02/10/21
 Init. Calib. Times : 10:28 11:59

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	127	0
Dalapon	0.172	0.186	-	-8.1	15	119	0
DCAA (surrogate)	0.179	0.206	-	-15.1*	15	140	0
Dicamba	0.525	0.587	-	-11.8	15	138	0
MCPD	0.0006	0.00063	-	-5	15	133	0
MCPA	0.00104	0.00113	-	-8.7	15	134	0
Dichloroprop	0.157	0.183	-	-16.6*	15	142	0
2,4-D	0.205	0.239	-	-16.6*	15	145	0
2,4,5-TP (Silvex)	0.77	0.884	-	-14.8	15	140	0
2,4,5-T	0.749	0.715	-	4.5	15	117	0
2,4-DB	0.121	0.131	-	-8.3	15	135	0
Dinoseb	0.456	0.508	-	-11.4	15	136	0

* Value outside of QC limits.



Metals Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2141727**

**7 Ground Water Sample, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration, method, and equipment blanks reported target metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: Two of two percent recoveries for antimony were below control limits (75-125%), but not below 30% for aqueous MS/MSD sample MW-5A. Positive results for antimony should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous MS/MSD sample MW-5A, as required.

Field Duplicates: The relative percent differences for aluminum and iron were above the allowable maximum (20%) for aqueous field duplicate pair MW-5A/DUP-2 (attached table). Positive results for aluminum and iron should be considered estimated (J) in samples MW-5A and DUP-2.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for aqueous samples WG1531952-2 and WG1531953-2.

Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous serial dilution sample MW-5A, as required.

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Form 5a Matrix Spike

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY
 Client Sample ID : MW-5A
 Lab Sample ID : L2141727-09
 Matrix Spike : WG1531952-3
 Matrix Spike Dup : WG1531952-4

Lab Number : L2141727
 Project Number : 190273.2021
 Matrix : WATER
 MS Analysis Date : 08/17/21 15:03
 MSD Analysis Date : 08/17/21 15:08

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	0.0552	2	1.79	87	2	1.81	88	1	75-125	20
Antimony, Total	0.00097J	0.5	0.3318	66 Q	0.5	0.3248	65 Q	2	75-125	20
Arsenic, Total	0.00050	0.12	0.1164	96	0.12	0.1232	102	6	75-125	20
Barium, Total	0.2271	2	2.117	94	2	2.155	96	2	75-125	20
Beryllium, Total	ND	0.05	0.04353	87	0.05	0.04807	96	10	75-125	20
Cadmium, Total	0.00048	0.053	0.05199	97	0.053	0.05114	96	2	75-125	20
Calcium, Total	72.2	10	79.8	76	10	79.9	77	0	75-125	20
Chromium, Total	0.00076J	0.2	0.1783	89	0.2	0.1818	91	2	75-125	20
Cobalt, Total	ND	0.5	0.4520	90	0.5	0.4595	92	2	75-125	20
Copper, Total	0.01456	0.25	0.2487	94	0.25	0.2611	99	5	75-125	20
Iron, Total	0.0887	1	0.987	90	1	0.994	90	1	75-125	20
Lead, Total	ND	0.53	0.4886	92	0.53	0.5013	94	3	75-125	20
Magnesium, Total	20.6	10	30.0	94	10	29.8	92	1	75-125	20
Manganese, Total	0.01833	0.5	0.4662	90	0.5	0.4702	90	1	75-125	20
Nickel, Total	0.00402	0.5	0.4413	87	0.5	0.4427	88	0	75-125	20
Potassium, Total	1.18	10	10.7	95	10	10.6	94	1	75-125	20
Selenium, Total	0.00229J	0.12	0.129	108	0.12	0.132	110	2	75-125	20
Silver, Total	ND	0.05	0.04879	98	0.05	0.04962	99	2	75-125	20
Sodium, Total	130.	10	119.	0 NA	10	118.	0 NA	1	75-125	20
Thallium, Total	0.00016J	0.12	0.1152	96	0.12	0.1180	98	2	75-125	20
Vanadium, Total	ND	0.5	0.4383	88	0.5	0.4480	90	2	75-125	20
Zinc, Total	0.1291	0.5	0.6208	98	0.5	0.6425	103	3	75-125	20

NA - Sample concentration was greater than 4 times the spiking level; therefore, the %R is not applicable.



General Chemistry

Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2141727**

**7 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected August 3 and 4, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (80-120%) for aqueous MS/MSD sample MW-5A.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (20%) for aqueous MS/MSD sample MW-5A, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5A/DUP-2 reported total cyanide as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The relative percent differences for total cyanide were below the allowable maximum and the percent recoveries were within QC limits (85-115%) for aqueous samples WG1532093-2/3.

Field Duplicate Calculation Section

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. L2141727

S1= MW-5A

S2= DUP-2

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
aluminum, total	0.0552	0.216	119%	*
antimony, total	0.00097	ND	NC	
arsenic, total	0.0005	0.00058	15%	
barium, total	0.2271	0.2492	9%	
beryllium, total	ND	ND	NC	
cadmium, total	0.00048	0.00049	2%	
calcium, total	72.2	76.5	6%	
chromium, total	0.00076	0.00101	NC	
cobalt, total	ND	0.00042	NC	
copper, total	0.01456	0.01755	19%	
iron, total	0.0887	0.296	108%	*
lead, total	ND	ND	NC	
magnesium, total	20.6	21.9	6%	
manganese, total	0.01833	0.02111	14%	
mercury, total	ND	ND	NC	
nickel, total	0.00402	0.00389	3%	
potassium, total	1.18	1.25	6%	
selenium, total	0.00229	0.00237	NC	
silver, total	ND	ND	NC	
sodium, total	130	142	9%	
thallium, total	0.00016	ND	NC	
vanadium, total	ND	ND	NC	
zinc, total	0.1291	0.1378	7%	

* RPD is above the allowable maximum 20%.

Results are in units of mg/L.

Bold numbers were values that below the CRDL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Samples and 1 Trip Blank
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses for 2 ground water samples and 1 trip blank, and the results of semi-volatiles, SIM semi-volatiles, herbicides, PCBs, pesticides, TAL metals, and total cyanide analyses for 2 ground water samples.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The “not detected” volatile results for cyclohexane were qualified as “estimated” (UJ) in both ground water samples and trip blank because 1 of 2 percent recoveries for cyclohexane was below QC limits, but not below 30% in the associated aqueous LCS/LCSD.
- The “not detected” semi-volatile results for 4-chloroaniline were qualified as “estimated” (UJ) in both ground water samples because 2 of 2 percent recoveries for 4-chloroaniline were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.

All data are considered usable with estimated (UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 11:53
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 11:53
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U UJ
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 11:53
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 12:22
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 12:22
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.35	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U UJ
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 12:22
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-03
 Client ID : TRIP BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 00:00
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 11:25
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-03
 Client ID : TRIP BLANK
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : VG210813A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 00:00
 Date Received : 08/11/21
 Date Analyzed : 08/13/21 11:25
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U UJ
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-03	Date Collected	: 08/11/21 00:00
Client ID	: TRIP BLANK	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/13/21 11:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VG210813A07	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 43009-01
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 17:05
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 43009-01
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 17:05
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-01	Date Collected	: 08/11/21 11:20
Client ID	: MW-4A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/16/21 17:05
Sample Matrix	: WATER	Date Extracted	: 08/15/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 43009-01	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 43009-02
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 17:29
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U UJ
88-74-4	2-Nitroaniline	ND	5.0	0.50	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D
 Lab File ID : 43009-02
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 17:29
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : SZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U
86-74-8	Carbazole	ND	2.0	0.49	U
1912-24-9	Atrazine	ND	10	0.76	U
100-52-7	Benzaldehyde	ND	5.0	0.53	U
105-60-2	Caprolactam	ND	10	3.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-02	Date Collected	: 08/11/21 12:30
Client ID	: MW-2A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/16/21 17:29
Sample Matrix	: WATER	Date Extracted	: 08/15/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 43009-02	Analyst	: SZ
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.84	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-01
 Client ID : MW-4A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 43009-01
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 11:20
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 13:13
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : L2143009-02
 Client ID : MW-2A
 Sample Location : WEST NYACK, NY
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 43009-02
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : 08/11/21 12:30
 Date Received : 08/11/21
 Date Analyzed : 08/16/21 13:34
 Date Extracted : 08/15/21
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions Project Name : FORMER CHROMALLOY FACILITY Lab ID : L2143009-01 Client ID : MW-4A Sample Location : WEST NYACK, NY Sample Matrix : WATER Analytical Method : 1,8151A Lab File ID : 17210814b-42 Sample Amount : 1000 ml Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2143009 Project Number : 190273.2021 Date Collected : 08/11/21 11:20 Date Received : 08/11/21 Date Analyzed : 08/15/21 02:05 Date Extracted : 08/12/21 Dilution Factor : 1 Analyst : AR Instrument ID : PEST17 GC Column : STX-CLP1 %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : TRC Solutions Project Name : FORMER CHROMALLOY FACILITY Lab ID : L2143009-02 Client ID : MW-2A Sample Location : WEST NYACK, NY Sample Matrix : WATER Analytical Method : 1,8151A Lab File ID : 17210814b-43 Sample Amount : 1000 ml Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2143009 Project Number : 190273.2021 Date Collected : 08/11/21 12:30 Date Received : 08/11/21 Date Analyzed : 08/15/21 02:24 Date Extracted : 08/12/21 Dilution Factor : 1 Analyst : AR Instrument ID : PEST17 GC Column : STX-CLP1 %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions	Lab Number : L2143009
Project Name : FORMER CHROMALLOY FACILITY	Project Number : 190273.2021
Lab ID : L2143009-01	Date Collected : 08/11/21 11:20
Client ID : MW-4A	Date Received : 08/11/21
Sample Location : WEST NYACK, NY	Date Analyzed : 08/17/21 10:49
Sample Matrix : WATER	Date Extracted : 08/16/21
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2210817a-16	Analyst : JAW
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : TRC Solutions Project Name : FORMER CHROMALLOY FACILITY Lab ID : L2143009-02 Client ID : MW-2A Sample Location : WEST NYACK, NY Sample Matrix : WATER Analytical Method : 1,8082A Lab File ID : P2210817a-17 Sample Amount : 140 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2143009 Project Number : 190273.2021 Date Collected : 08/11/21 12:30 Date Received : 08/11/21 Date Analyzed : 08/17/21 10:56 Date Extracted : 08/16/21 Dilution Factor : 1 Analyst : JAW Instrument ID : PEST2 GC Column : CLP-Pesticide %Solids : N/A Injection Volume : 1 uL
---	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions	Lab Number : L2143009
Project Name : FORMER CHROMALLOY FACILITY	Project Number : 190273.2021
Lab ID : L2143009-01	Date Collected : 08/11/21 11:20
Client ID : MW-4A	Date Received : 08/11/21
Sample Location : WEST NYACK, NY	Date Analyzed : 08/17/21 16:33
Sample Matrix : WATER	Date Extracted : 08/15/21
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 20210817a-31	Analyst : KB
Sample Amount : 140 ml	Instrument ID : PEST20
Extraction Method : EPA 3510C	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions	Lab Number : L2143009
Project Name : FORMER CHROMALLOY FACILITY	Project Number : 190273.2021
Lab ID : L2143009-01	Date Collected : 08/11/21 11:20
Client ID : MW-4A	Date Received : 08/11/21
Sample Location : WEST NYACK, NY	Date Analyzed : 08/17/21 16:33
Sample Matrix : WATER	Date Extracted : 08/15/21
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 20210817a-31	Analyst : KB
Sample Amount : 140 ml	Instrument ID : PEST20
Extraction Method : EPA 3510C	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : TRC Solutions	Lab Number : L2143009
Project Name : FORMER CHROMALLOY FACILITY	Project Number : 190273.2021
Lab ID : L2143009-02	Date Collected : 08/11/21 12:30
Client ID : MW-2A	Date Received : 08/11/21
Sample Location : WEST NYACK, NY	Date Analyzed : 08/17/21 16:46
Sample Matrix : WATER	Date Extracted : 08/15/21
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 20210817a-32	Analyst : KB
Sample Amount : 140 ml	Instrument ID : PEST20
Extraction Method : EPA 3510C	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-02	Date Collected	: 08/11/21 12:30
Client ID	: MW-2A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/17/21 16:46
Sample Matrix	: WATER	Date Extracted	: 08/15/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20210817a-32	Analyst	: KB
Sample Amount	: 140 ml	Instrument ID	: PEST20
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	0.143	0.033	U

Form 1

METALS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-01	Date Collected	: 08/11/21 11:20
Client ID	: MW-4A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/17/21 22:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: CD
Lab File ID	: WG1535844.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0277	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00037	0.00050	0.00016	J
7440-39-3	Barium, Total	0.1424	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	71.3	0.100	0.0394	
7440-47-3	Chromium, Total	0.00035	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	0.00106	0.00100	0.00038	
7439-89-6	Iron, Total	0.0458	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	14.1	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00271	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00077	0.00200	0.00055	J
7440-09-7	Potassium, Total	2.09	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	138.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.00398	0.01000	0.00341	J



Form 1

METALS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-02	Date Collected	: 08/11/21 12:30
Client ID	: MW-2A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/17/21 22:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: CD
Lab File ID	: WG1535844.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.163	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00036	0.00050	0.00016	J
7440-39-3	Barium, Total	0.02067	0.00050	0.00017	
7440-41-7	Beryllium, Total	0.00018	0.00050	0.00010	J
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	5.47	0.100	0.0394	
7440-47-3	Chromium, Total	0.00841	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.06621	0.00050	0.00016	
7440-50-8	Copper, Total	0.00066	0.00100	0.00038	J
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	1.40	0.0700	0.0242	
7439-96-5	Manganese, Total	0.04067	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00542	0.00200	0.00055	
7440-09-7	Potassium, Total	0.575	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	5.58	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.00494	0.01000	0.00341	J



Form 1

METALS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-01	Date Collected	: 08/11/21 11:20
Client ID	: MW-4A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/13/21 14:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: NB
Lab File ID	: WG1534776.txt	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 7470A	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-02	Date Collected	: 08/11/21 12:30
Client ID	: MW-2A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/13/21 14:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,7470A	Analyst	: NB
Lab File ID	: WG1534776.txt	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 7470A	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

WETCHEM

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-01	Date Collected	: 08/11/21 11:20
Client ID	: MW-4A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/13/21 16:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN081321-C	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



Form 1

WETCHEM

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab ID	: L2143009-02	Date Collected	: 08/11/21 12:30
Client ID	: MW-2A	Date Received	: 08/11/21
Sample Location	: WEST NYACK, NY	Date Analyzed	: 08/13/21 16:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN081321-C	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/13/21

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Total	ND	0.005	0.001	U



VOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2143009**

**2 Ground Water Samples and 1 Trip Blank
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for bromomethane, acetone, 2-butanone, and trichloroethene were below the method minimums, but not below 0.010 for GONZO on 06-25-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, 2-butanone, trichloroethene, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 on 08-13-21 (VG210813A02). The %Ds for vinyl chloride, cyclohexane, and 4-methyl-2-pentanone were above the method maximum on 08-13-21 (VG210813A02). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for vinyl chloride, cyclohexane, and 4-methyl-2-pentanone were above the allowable maximum (20%) on 08-13-21 (VG210813A02). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum, but 1 of 2 the percent recoveries for cyclohexane was below QC limits, but not below 30% for aqueous samples WG1535149-3/4. Positive results for cyclohexane should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Matrix : WATER
 LCS Sample ID : WG1535149-3 Analysis Date : 08/13/21 09:06 File ID : VG210813A02
 LCSD Sample ID : WG1535149-4 Analysis Date : 08/13/21 09:34 File ID : VG210813A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.9	99	10	9.8	98	1	70-130	20
1,1-Dichloroethane	10	8.8	88	10	8.4	84	5	70-130	20
Chloroform	10	9.8	98	10	9.5	95	3	70-130	20
Carbon tetrachloride	10	8.7	87	10	8.6	86	1	63-132	20
1,2-Dichloropropane	10	8.9	89	10	8.4	84	6	70-130	20
Dibromochloromethane	10	9.4	94	10	9.2	92	2	63-130	20
1,1,2-Trichloroethane	10	9.5	95	10	9.2	92	3	70-130	20
Tetrachloroethene	10	9.2	92	10	9.0	90	2	70-130	20
Chlorobenzene	10	9.6	96	10	9.1	91	5	75-130	20
Trichlorofluoromethane	10	9.1	91	10	8.8	88	3	62-150	20
1,2-Dichloroethane	10	9.0	90	10	8.9	89	1	70-130	20
1,1,1-Trichloroethane	10	8.8	88	10	8.5	85	3	67-130	20
Bromodichloromethane	10	9.6	96	10	9.1	91	5	67-130	20
trans-1,3-Dichloropropene	10	8.9	89	10	8.8	88	1	70-130	20
cis-1,3-Dichloropropene	10	9.6	96	10	9.1	91	5	70-130	20
Bromoform	10	8.6	86	10	8.8	88	2	54-136	20
1,1,2,2-Tetrachloroethane	10	12	120	10	12	120	0	67-130	20
Benzene	10	9.9	99	10	9.4	94	5	70-130	20
Toluene	10	9.7	97	10	9.3	93	4	70-130	20
Ethylbenzene	10	9.3	93	10	8.9	89	4	70-130	20
Chloromethane	10	9.5	95	10	9.3	93	2	64-130	20
Bromomethane	10	11	110	10	9.4	94	16	39-139	20
Vinyl chloride	10	7.1	71	10	6.9	69	3	55-140	20
Chloroethane	10	8.8	88	10	9.1	91	3	55-138	20
1,1-Dichloroethene	10	9.2	92	10	8.9	89	3	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.1	91	9	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Matrix : WATER
 LCS Sample ID : WG1535149-3 Analysis Date : 08/13/21 09:06 File ID : VG210813A02
 LCSD Sample ID : WG1535149-4 Analysis Date : 08/13/21 09:34 File ID : VG210813A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	8.2	82	10	7.7	77	6	70-130	20
1,2-Dichlorobenzene	10	9.3	93	10	9.2	92	1	70-130	20
1,3-Dichlorobenzene	10	9.1	91	10	9.3	93	2	70-130	20
1,4-Dichlorobenzene	10	9.2	92	10	9.2	92	0	70-130	20
Methyl tert butyl ether	10	10	100	10	10	100	0	63-130	20
p/m-Xylene	20	19	95	20	18	90	5	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	9.5	95	10	9.2	92	3	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	11	110	10	9.9	99	11	36-147	20
Acetone	10	9.1	91	10	9.8	98	7	58-148	20
Carbon disulfide	10	9.8	98	10	9.3	93	5	51-130	20
2-Butanone	10	8.9	89	10	8.6	86	3	63-138	20
4-Methyl-2-pentanone	10	7.4	74	10	7.7	77	4	59-130	20
2-Hexanone	10	8.8	88	10	9.6	96	9	57-130	20
Bromochloromethane	10	10	100	10	9.7	97	3	70-130	20
1,2-Dibromoethane	10	10	100	10	9.5	95	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.6	86	10	9.3	93	8	41-144	20
Isopropylbenzene	10	8.7	87	10	8.7	87	0	70-130	20
1,2,3-Trichlorobenzene	10	8.9	89	10	8.7	87	2	70-130	20
1,2,4-Trichlorobenzene	10	9.1	91	10	8.5	85	7	70-130	20
Methyl Acetate	10	10	100	10	11	110	10	70-130	20
Cyclohexane	10	7.2	72	10	6.7	67	Q 7	70-130	20
1,4-Dioxane	500	450	90	500	500	100	11	56-162	20
Freon-113	10	10	100	10	9.4	94	6	70-130	20
Methyl cyclohexane	10	9.3	93	10	8.6	86	8	70-130	20



Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY FACILITY
Instrument ID : GONZO
Calibration dates : 06/25/21 16:10 06/25/21 20:09
Lab Number : L2143009
Project Number : 190273.2021
Ical Ref : ICAL18092

Calibration Files

L11 =VG210625N03.D L1 =VG210625N05.D L2 =VG210625N06.D L3 =VG210625N08.D L4 =VG210625N09.D
 L6 =VG210625N10.D L8 =VG210625N11.D L10 =VG210625N12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.114	0.150	0.112	0.114	0.112	0.118	0.119	0.120	11.18
3) TP Chloromethane		0.259	0.262	0.226	0.228	0.228	0.244	0.245	0.242	6.14
4) TC Vinyl chloride	0.284	0.171	0.226	0.196	0.194	0.196	0.208	0.214	0.211	15.86
5) TP Bromomethane		0.063	0.050	0.047	0.058	0.069	0.082		*Q	0.9997
6) TP Chloroethane		0.058	0.073	0.071	0.064	0.052	0.056	0.052	0.061#	14.18
7) TP Trichlorofluor		0.164	0.222	0.192	0.196	0.214	0.227	0.231	0.207	11.50
8) TP Ethyl ether		0.068	0.078	0.082	0.080	0.080	0.082	0.083	0.079	6.29
10) TC 1,1-Dichloroet		0.133	0.165	0.126	0.141	0.141	0.152	0.152	0.144	9.13
11) TP Carbon disulfide		0.366	0.470	0.409	0.400	0.402	0.429	0.435	0.416	7.89
12) TP Freon-113		0.112	0.137	0.130	0.133	0.131	0.138	0.140	0.132	7.20
13) TP Iodomethane			0.112	0.136	0.159	0.161	0.169	0.169	0.151	15.16
14) TP Acrolein			0.026	0.018	0.015	0.017	0.017	0.018	*L	0.9978
15) TP Methylene chlo		0.169	0.167	0.151	0.152	0.150	0.156	0.156	0.157	4.94
17) TP Acetone			0.074	0.062	0.056	0.059	0.059	0.060	0.062#	10.57
18) TP trans-1,2-Dich		0.143	0.179	0.145	0.146	0.145	0.152	0.155	0.152	8.33
19) TP Methyl acetate			0.154	0.143	0.140	0.137	0.135	0.134	0.141	5.16
20) TP Methyl tert butyl ether		0.428	0.446	0.422	0.415	0.422	0.432	0.434	0.429	2.36
21) TP tert-Butyl alc			0.024	0.020	0.022	0.023	0.023	0.023	0.022#	6.14
22) TP Diisopropyl ether		0.704	0.778	0.726	0.727	0.716	0.742	0.737	0.733	3.22
23) TP 1,1-Dichloroet		0.330	0.384	0.365	0.360	0.357	0.377	0.370	0.363	4.84
24) TP Halothane		0.099	0.123	0.112	0.113	0.114	0.119	0.119	0.114	6.77
25) TP Acrylonitrile		0.126	0.088	0.079	0.078	0.081	0.080	0.082	0.088	19.83
26) TP Ethyl tert-but		0.695	0.721	0.689	0.687	0.683	0.704	0.709	0.698	1.95
27) TP Vinyl acetate		0.260	0.318	0.333	0.309	0.259	0.276	0.264	0.288	10.67
28) TP cis-1,2-Dichlo		0.193	0.201	0.177	0.175	0.170	0.179	0.181	0.182	5.87
29) TP 2,2-Dichloropr		0.214	0.226	0.199	0.207	0.200	0.207	0.207	0.208	4.38
30) TP Bromochloromet		0.076	0.080	0.072	0.069	0.065	0.068	0.067	0.071	7.55
31) TP Cyclohexane		0.373	0.449	0.415	0.417	0.412	0.431	0.433	0.419	5.70
32) TC Chloroform		0.299	0.279	0.264	0.276	0.274	0.288	0.285	0.281	3.96
33) TP Ethyl acetate		0.219	0.225	0.192	0.194	0.196	0.195	0.198	0.203	6.58
34) TP Carbon tetrachloride		0.210	0.231	0.206	0.212	0.211	0.222	0.222	0.216	4.00
35) TP Tetrahydrofuran		0.069	0.068	0.063	0.060	0.063	0.060	0.062	0.064	5.62
36) S Dibromofluoromethane	0.217	0.217	0.220	0.221	0.223	0.217	0.217	0.220	0.219	1.09
37) TP 1,1,1-Trichlor		0.285	0.279	0.257	0.260	0.256	0.268	0.269	0.268	4.19
39) TP 2-Butanone		0.094	0.108	0.092	0.092	0.094	0.096	0.096	0.096#	5.91

Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY FACILITY
Instrument ID : GONZO
Calibration dates : 06/25/21 16:10 06/25/21 20:09
Lab Number : L2143009
Project Number : 190273.2021
Ical Ref : ICAL18092

Calibration Files

L11 =VG210625N03.D L1 =VG210625N05.D L2 =VG210625N06.D L3 =VG210625N08.D L4 =VG210625N09.D
 L6 =VG210625N10.D L8 =VG210625N11.D L10 =VG210625N12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.204	0.228	0.208	0.214	0.210	0.221	0.222	0.215	4.00
41) TP Benzene		0.570	0.671	0.619	0.630	0.619	0.651	0.653	0.631	5.21
42) TP Tertiary-Amyl Methyl Ether		0.473	0.463	0.442	0.442	0.449	0.458	0.461	0.455	2.55
43) S 1,2-Dichloroethane-d4	0.321	0.334	0.319	0.332	0.317	0.315	0.313	0.326	0.322	2.42
44) TP 1,2-Dichloroet		0.267	0.276	0.261	0.257	0.253	0.260	0.260	0.262	2.92
47) TP Methyl cyclohe		0.291	0.323	0.287	0.286	0.277	0.290	0.293	0.293	4.94
48) TP Trichloroethene		0.199	0.211	0.187	0.184	0.187	0.194	0.194	0.194#	4.70
50) TP Dibromomethane		0.100	0.106	0.092	0.094	0.092	0.095	0.095	0.096	5.22
51) TC 1,2-Dichloropr		0.196	0.220	0.201	0.206	0.204	0.211	0.210	0.207	3.87
53) TP 2-Chloroethyl		0.120	0.140	0.128	0.133	0.133	0.135	0.138	0.133	5.21
54) TP Bromodichlorom		0.237	0.247	0.219	0.221	0.217	0.227	0.228	0.228	4.78
57) TP 1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	8.94
58) TP cis-1,3-Dichloropropene		0.250	0.273	0.267	0.263	0.259	0.269	0.270	0.264	2.95
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.371	1.360	1.361	1.354	1.340	1.356	1.375	1.377	1.362	0.91
61) TC Toluene		0.563	0.631	0.591	0.568	0.565	0.604	0.591	0.588	4.23
62) TP 4-Methyl-2-pen			0.143	0.124	0.115	0.119	0.120	0.119	0.123	8.07
63) TP Tetrachloroethene		0.208	0.252	0.237	0.235	0.236	0.254	0.250	0.239	6.52
65) TP trans-1,3-Dichloropropene		0.331	0.355	0.345	0.346	0.346	0.365	0.360	0.350	3.24
67) TP Ethyl methacry		0.339	0.328	0.287	0.284	0.286	0.295	0.294	0.302	7.39
68) TP 1,1,2-Trichlor		0.221	0.189	0.166	0.160	0.161	0.168	0.167	0.176	12.57
69) TP Chlorodibromom		0.214	0.220	0.217	0.216	0.218	0.232	0.230	0.221	3.15
70) TP 1,3-Dichloropr		0.339	0.353	0.326	0.327	0.330	0.346	0.345	0.338	3.13
71) TP 1,2-Dibromoethane		0.186	0.193	0.189	0.188	0.191	0.201	0.201	0.193	3.06
72) TP 2-Hexanone			0.203	0.196	0.190	0.193	0.197	0.198	0.196	2.27
73) TP Chlorobenzene		0.559	0.668	0.619	0.601	0.595	0.637	0.627	0.615	5.63
74) TC Ethylbenzene		1.110	1.267	1.141	1.108	1.094	1.176	1.160	1.151	5.14
75) TP 1,1,1,2-Tetrac		0.230	0.241	0.214	0.215	0.216	0.232	0.229	0.225	4.58
76) TP p/m Xylene		0.394	0.474	0.432	0.418	0.414	0.442	0.430	0.429	5.85
77) TP o Xylene		0.389	0.437	0.416	0.401	0.392	0.418	0.406	0.408	4.07
78) TP Styrene		0.614	0.735	0.688	0.686	0.670	0.708	0.689	0.684	5.46
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.263	0.287	0.272	0.283	0.290	0.307	0.303	0.286	5.50
82) TP Isopropylbenzene		1.652	1.968	1.865	1.844	1.799	1.957	1.916	1.857	5.87
83) S 4-Bromofluorobenzene	0.964	1.007	0.968	0.985	0.987	0.972	1.001	0.974	0.982	1.59
84) TP Bromobenzene		0.383	0.506	0.447	0.461	0.445	0.475	0.466	0.455	8.30

Initial Calibration Summary

Form 6

Volatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY FACILITY
Instrument ID : GONZO
Calibration dates : 06/25/21 16:10 06/25/21 20:09
Lab Number : L2143009
Project Number : 190273.2021
Ical Ref : ICAL18092

Calibration Files

L11 =VG210625N03.D L1 =VG210625N05.D L2 =VG210625N06.D L3 =VG210625N08.D L4 =VG210625N09.D
 L6 =VG210625N10.D L8 =VG210625N11.D L10 =VG210625N12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	2.303	2.637	2.470	2.415	2.351	2.535	2.480	2.456		4.58
86) TP 1,4-Dichlorobu	0.982	0.995	0.906	0.903	0.892	0.952	0.932	0.938		4.33
87) TP 1,1,2,2-Tetrac	0.616	0.428	0.379	0.369	0.351	0.373	0.369	*L		0.9995
88) TP 4-Ethyltoluene	1.711	2.019	1.882	1.848	1.799	1.952	1.899	1.873		5.37
89) TP 2-Chlorotoluene	1.242	1.551	1.485	1.468	1.426	1.532	1.462	1.452		7.01
90) TP 1,3,5-Trimethy	1.523	1.777	1.671	1.645	1.599	1.720	1.658	1.656		4.94
91) TP 1,2,3-Trichlor	0.453	0.377	0.349	0.362	0.363	0.380	0.369	0.379		9.01
92) TP trans-1,4-Dich	0.268	0.246	0.188	0.188	0.186	0.195	0.190	0.209		16.11
93) TP 4-Chlorotoluene	1.483	1.679	1.522	1.511	1.474	1.593	1.548	1.544		4.63
94) TP tert-Butylbenzene	1.219	1.503	1.387	1.393	1.355	1.454	1.409	1.389		6.41
97) TP 1,2,4-Trimethy	1.538	1.725	1.613	1.595	1.556	1.676	1.651	1.622		4.09
98) TP sec-Butylbenzene	1.689	2.015	1.887	1.879	1.830	1.954	1.922	1.882		5.51
99) TP p-Isopropyltol	1.543	1.891	1.742	1.755	1.706	1.819	1.791	1.749		6.23
100) TP 1,3-Dichlorobe	0.762	0.920	0.859	0.870	0.844	0.904	0.879	0.862		5.94
101) TP 1,4-Dichlorobe	0.815	0.907	0.858	0.874	0.849	0.903	0.882	0.870		3.71
102) TP p-Diethylbenzene	0.889	1.113	1.020	1.012	0.991	1.051	1.050	1.018		6.77
103) TP n-Butylbenzene	1.593	1.764	1.707	1.687	1.642	1.738	1.736	1.695		3.55
104) TP 1,2-Dichlorobe	0.723	0.829	0.806	0.804	0.776	0.820	0.815	0.796		4.57
105) TP 1,2,4,5-Tetram	1.414	1.498	1.424	1.412	1.399	1.501	1.502	1.450		3.29
106) TP 1,2-Dibromo-3-	0.088	0.077	0.078	0.076	0.077	0.082	0.083	0.080		5.61
107) TP 1,3,5-Trichlor	0.510	0.657	0.638	0.626	0.621	0.662	0.658	0.625		8.52
108) TP Hexachlorobuta	0.307	0.359	0.320	0.332	0.331	0.350	0.347	0.335		5.38
109) TP 1,2,4-Trichlor	0.555	0.571	0.549	0.538	0.544	0.576	0.567	0.557		2.61
110) TP Naphthalene	1.471	1.227	1.154	1.181	1.176	1.219	1.225	1.236		8.67
111) TP 1,2,3-Trichlor	0.501	0.477	0.468	0.472	0.474	0.493	0.479	0.481		2.48

Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : GONZO
 Lab File ID : VG210813A02
 Sample No : WG1535149-2
 Channel :

Lab Number : L2143009
 Project Number : 190273.2021
 Calibration Date : 08/13/21 09:06
 Init. Calib. Date(s) : 06/25/21 06/25/21
 Init. Calib. Times : 16:10 20:09

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	134	0
Dichlorodifluoromethane	0.12	0.128	-	-6.7	20	154	0
Chloromethane	0.242	0.229	-	5.4	20	136	.01
Vinyl chloride	0.211	0.151	-	28.4*	20	103	0
Bromomethane	10	10.664	-	-6.6	20	153	0
Chloroethane	0.061	0.054*	-	11.5	20	102	0
Trichlorofluoromethane	0.207	0.188	-	9.2	20	131	0
Ethyl ether	0.079	0.087	-	-10.1	20	142	0
1,1-Dichloroethene	0.144	0.133	-	7.6	20	142	0
Carbon disulfide	0.416	0.409	-	1.7	20	134	0
Freon-113	0.132	0.133	-	-0.8	20	137	0
Acrolein	10	10.97	-	-9.7	20	149	0
Methylene chloride	0.157	0.156	-	0.6	20	138	0
Acetone	0.062	0.056*	-	9.7	20	122	0
trans-1,2-Dichloroethene	0.152	0.152	-	0	20	140	0
Methyl acetate	0.141	0.146	-	-3.5	20	137	0
Methyl tert-butyl ether	0.429	0.451	-	-5.1	20	143	0
tert-Butyl alcohol	0.022	0.018*	-	18.2	20	116	0
Diisopropyl ether	0.733	0.682	-	7	20	126	0
1,1-Dichloroethane	0.363	0.319	-	12.1	20	117	0
Halothane	0.114	0.113	-	0.9	20	135	0
Acrylonitrile	0.088	0.069	-	21.6*	20	117	0
Ethyl tert-butyl ether	0.698	0.552	-	20.9*	20	107	0
Vinyl acetate	0.288	0.496	-	-72.2*	20	200	0
cis-1,2-Dichloroethene	0.182	0.172	-	5.5	20	131	0
2,2-Dichloropropane	0.208	0.227	-	-9.1	20	153	0
Bromochloromethane	0.071	0.072	-	-1.4	20	135	0
Cyclohexane	0.419	0.3	-	28.4*	20	97	0
Chloroform	0.281	0.277	-	1.4	20	140	0
Ethyl acetate	0.203	0.211	-	-3.9	20	147	0
Carbon tetrachloride	0.216	0.189	-	12.5	20	123	0
Tetrahydrofuran	0.064	0.074	-	-15.6	20	158	0
Dibromofluoromethane	0.219	0.226	-	-3.2	20	137	0
1,1,1-Trichloroethane	0.268	0.237	-	11.6	20	124	0
2-Butanone	0.096	0.086*	-	10.4	20	124	0
1,1-Dichloropropene	0.215	0.186	-	13.5	20	120	0
Benzene	0.631	0.627	-	0.6	20	136	0
tert-Amyl methyl ether	0.455	0.431	-	5.3	20	131	0
1,2-Dichloroethane-d4	0.322	0.323	-	-0.3	20	131	0
1,2-Dichloroethane	0.262	0.235	-	10.3	20	121	0
Methyl cyclohexane	0.293	0.272	-	7.2	20	127	0
Trichloroethene	0.194	0.158*	-	18.6	20	113	0
Dibromomethane	0.096	0.091	-	5.2	20	132	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : GONZO
 Lab File ID : VG210813A02
 Sample No : WG1535149-2
 Channel :

Lab Number : L2143009
 Project Number : 190273.2021
 Calibration Date : 08/13/21 09:06
 Init. Calib. Date(s) : 06/25/21 06/25/21
 Init. Calib. Times : 16:10 20:09

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.207	0.185	-	10.6	20	123	0
Bromodichloromethane	0.228	0.218	-	4.4	20	134	0
1,4-Dioxane	0.00182	0.00164*	-	9.9	20	127	0
cis-1,3-Dichloropropene	0.264	0.254	-	3.8	20	127	0
Chlorobenzene-d5	1	1	-	0	20	134	0
Toluene-d8	1.362	1.325	-	2.7	20	131	0
Toluene	0.588	0.571	-	2.9	20	129	0
4-Methyl-2-pentanone	0.123	0.091*	-	26*	20	98	0
Tetrachloroethene	0.239	0.219	-	8.4	20	124	0
trans-1,3-Dichloropropene	0.35	0.311	-	11.1	20	121	0
Ethyl methacrylate	0.302	0.286	-	5.3	20	133	0
1,1,2-Trichloroethane	0.176	0.167	-	5.1	20	135	0
Chlorodibromomethane	0.221	0.209	-	5.4	20	129	0
1,3-Dichloropropane	0.338	0.327	-	3.3	20	134	0
1,2-Dibromoethane	0.193	0.194	-	-0.5	20	137	0
2-Hexanone	0.196	0.173	-	11.7	20	118	0
Chlorobenzene	0.615	0.589	-	4.2	20	127	0
Ethylbenzene	1.151	1.073	-	6.8	20	126	0
1,1,1,2-Tetrachloroethane	0.225	0.211	-	6.2	20	132	0
p/m Xylene	0.429	0.407	-	5.1	20	126	0
o Xylene	0.408	0.388	-	4.9	20	125	0
Styrene	0.684	0.651	-	4.8	20	127	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	138	0
Bromoform	0.286	0.248	-	13.3	20	125	0
Isopropylbenzene	1.857	1.625	-	12.5	20	120	0
4-Bromofluorobenzene	0.982	0.904	-	7.9	20	126	0
Bromobenzene	0.455	0.414	-	9	20	127	0
n-Propylbenzene	2.456	2.21	-	10	20	123	0
1,4-Dichlorobutane	0.938	0.804	-	14.3	20	122	0
1,1,2,2-Tetrachloroethane	10	11.911	-	-19.1	20	163	0
4-Ethyltoluene	1.873	1.692	-	9.7	20	124	0
2-Chlorotoluene	1.452	1.342	-	7.6	20	124	0
1,3,5-Trimethylbenzene	1.656	1.451	-	12.4	20	120	0
1,2,3-Trichloropropane	0.379	0.361	-	4.7	20	142	0
trans-1,4-Dichloro-2-buten	0.209	0.119	-	43.1*	20	87	0
4-Chlorotoluene	1.544	1.349	-	12.6	20	122	0
tert-Butylbenzene	1.389	1.186	-	14.6	20	118	0
1,2,4-Trimethylbenzene	1.622	1.444	-	11	20	123	0
sec-Butylbenzene	1.882	1.837	-	2.4	20	134	0
p-Isopropyltoluene	1.749	1.521	-	13	20	120	0
1,3-Dichlorobenzene	0.862	0.785	-	8.9	20	126	0
1,4-Dichlorobenzene	0.87	0.797	-	8.4	20	128	0
p-Diethylbenzene	1.018	0.905	-	11.1	20	122	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : TRC Solutions Project Name : FORMER CHROMALLOY FACILITY Instrument ID : GONZO Lab File ID : VG210813A02 Sample No : WG1535149-2 Channel :	Lab Number : L2143009 Project Number : 190273.2021 Calibration Date : 08/13/21 09:06 Init. Calib. Date(s) : 06/25/21 06/25/21 Init. Calib. Times : 16:10 20:09
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Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.695	1.559	-	8	20	126	0
1,2-Dichlorobenzene	0.796	0.742	-	6.8	20	127	0
1,2,4,5-Tetramethylbenzene	1.45	1.116	-	23*	20	108	0
1,2-Dibromo-3-chloropropan	0.08	0.069	-	13.7	20	121	0
1,3,5-Trichlorobenzene	0.625	0.607	-	2.9	20	131	0
Hexachlorobutadiene	0.335	0.3	-	10.4	20	129	0
1,2,4-Trichlorobenzene	0.557	0.505	-	9.3	20	127	0
Naphthalene	1.236	0.901	-	27.1*	20	107	0
1,2,3-Trichlorobenzene	0.481	0.429	-	10.8	20	126	0

* Value outside of QC limits.



SVOC Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2143009**

**2 Ground Water Samples
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for SV106 on 07-01-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 08-16-21 (WG1535379-3). The %Ds for nitrobenzene and 4,6-dinitro-o-cresol were above the method maximum on 08-16-21 (WG1535379-3). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for nitrobenzene and 4,6-dinitro-o-cresol were above the allowable maximum (20%) on 08-16-21 (WG1535379-3). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for 4-chloroaniline were below QC limits, but not below 30% for aqueous samples WG1535180-2/3. Positive results for 4-chloroaniline should be considered estimated, biased low (J-) and “not detected” results estimated (UJ) in associated aqueous samples.

Compound ID: Checked surrogates were within GC/MS quantitation limits. The analyses of the ground water samples reported target compounds as not detected.

Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Matrix : WATER
 LCS Sample ID : WG1535180-2 Analysis Date : 08/16/21 08:42 File ID : 535180-2
 LCSD Sample ID : WG1535180-3 Analysis Date : 08/16/21 09:05 File ID : 535180-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Bis(2-chloroethyl)ether	18	9.7	53	18	9.3	51	4	40-140	30
3,3'-Dichlorobenzidine	18	8.6	48	18	9.1	50	4	40-140	30
2,4-Dinitrotoluene	18	11.	59	18	11.	62	5	48-143	30
2,6-Dinitrotoluene	18	10.	55	18	10.	56	2	40-140	30
4-Chlorophenyl phenyl ether	18	9.8	54	18	9.8	54	0	40-140	30
4-Bromophenyl phenyl ether	18	9.9	54	18	10.	55	2	40-140	30
Bis(2-chloroisopropyl)ether	18	9.0	50	18	8.8	48	4	40-140	30
Bis(2-chloroethoxy)methane	18	10.	57	18	10.	55	4	40-140	30
Hexachlorocyclopentadiene	18	9.3	51	18	9.0	50	2	40-140	30
Isophorone	18	9.2	51	18	9.1	50	2	40-140	30
Nitrobenzene	18	15.	82	18	15.	80	2	40-140	30
NDPA/DPA	18	9.6	53	18	9.9	55	4	40-140	30
n-Nitrosodi-n-propylamine	18	10.	55	18	9.5	52	6	29-132	30
Bis(2-ethylhexyl)phthalate	18	11.	59	18	12.	65	10	40-140	30
Butyl benzyl phthalate	18	9.8	54	18	11.	62	14	40-140	30
Di-n-butylphthalate	18	9.2	51	18	9.6	53	4	40-140	30
Di-n-octylphthalate	18	11.	60	18	12.	66	10	40-140	30
Diethyl phthalate	18	10.	55	18	10.	58	5	40-140	30
Dimethyl phthalate	18	9.1	50	18	9.3	51	2	40-140	30
Biphenyl	18	9.2	50	18	9.2	51	2	40-140	30
4-Chloroaniline	18	5.9	33 Q	18	6.2	34 Q	3	40-140	30
2-Nitroaniline	18	10.	58	18	11.	60	3	52-143	30
3-Nitroaniline	18	9.5	52	18	9.5	52	0	25-145	30
4-Nitroaniline	18	10.	56	18	11.	59	5	51-143	30
Dibenzofuran	18	10.	56	18	10.	56	0	40-140	30
1,2,4,5-Tetrachlorobenzene	18	9.8	54	18	9.7	53	2	2-134	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Matrix : WATER
 LCS Sample ID : WG1535180-2 Analysis Date : 08/16/21 08:42 File ID : 535180-2
 LCSD Sample ID : WG1535180-3 Analysis Date : 08/16/21 09:05 File ID : 535180-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acetophenone	18	9.6	53	18	9.5	52	2	39-129	30
2,4,6-Trichlorophenol	18	9.4	52	18	9.8	54	4	30-130	30
p-Chloro-m-cresol	18	9.8	54	18	10.	55	2	23-97	30
2-Chlorophenol	18	10.	55	18	9.7	53	4	27-123	30
2,4-Dichlorophenol	18	10.	57	18	10.	55	4	30-130	30
2,4-Dimethylphenol	18	9.5	52	18	8.8	48	8	30-130	30
2-Nitrophenol	18	12.	66	18	12.	63	5	30-130	30
4-Nitrophenol	18	9.9	54	18	11.	61	12	10-80	30
2,4-Dinitrophenol	18	12.	68	18	12.	66	3	20-130	30
4,6-Dinitro-o-cresol	18	13.	71	18	13.	70	1	20-164	30
Phenol	18	6.9	38	18	6.7	37	3	12-110	30
2-Methylphenol	18	9.5	52	18	9.3	51	2	30-130	30
3-Methylphenol/4-Methylphenol	18	9.6	53	18	9.4	52	2	30-130	30
2,4,5-Trichlorophenol	18	9.8	54	18	9.9	54	0	30-130	30
Carbazole	18	10.	55	18	10.	58	5	55-144	30
Atrazine	18	12.	65	18	14.	76	16	40-140	30
Benzaldehyde	18	8.9	49	18	9.0	49	0	40-140	30
Caprolactam	18	3.9	21	18	3.8	21	0	10-130	30
2,3,4,6-Tetrachlorophenol	18	9.7	53	18	9.8	54	2	40-140	30



Surrogate Recovery Summary

Form 2

Semivolatiles

Client: TRC Solutions
Project Name: FORMER CHROMALLOY FACILITY

Lab Number: L2143009
Project Number: 190273.2021
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-4A (L2143009-01)	87	67	113	85	108	103	0
MW-2A (L2143009-02)	53	39	72	51	65	63	0
WG1535180-1BLANK	45	33	65	53	38	58	0
WG1535180-2LCS	55	43	70	54	63	57	0
WG1535180-3LCSD	53	41	67	54	66	61	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-LVI



Method Blank Summary
Form 4
Semivolatiles

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Lab Sample ID	: WG1535180-1	Lab File ID	: 535180-1
Instrument ID	: SV106	Extraction Date	: 08/14/21
Matrix	: WATER	Analysis Date	: 08/16/21 08:18
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1535180-2LCS	WG1535180-2	08/16/21 08:42
WG1535180-3LCSD	WG1535180-3	08/16/21 09:05
MW-4A	L2143009-01	08/16/21 17:05
MW-2A	L2143009-02	08/16/21 17:29

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : TRC Solutions	Lab Number : L2143009
Project Name : FORMER CHROMALLOY FACILITY	Project Number : 190273.2021
Instrument ID : SV106	Analysis Date : 07/01/21 19:35
Tune Standard : R1454353-34	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.7
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	47
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	23.8
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	81.9
443	15.0 - 24.0% of mass 442	15.9 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL10	R1454353-6	ABNL10	07/01/21 19:59
ABNL9	R1454353-14	ABNL9	07/01/21 20:22
ABNL8	R1454353-12	ABNL8	07/01/21 20:46
ABNL7	R1454353-11	ABNL7	07/01/21 21:10
ABNL6	R1454353-10	ABNL6	07/01/21 21:33
ABNL5	R1454353-9	ABNL5	07/01/21 21:57
ABNL4	R1454353-8	ABNL4	07/01/21 22:20
ABNL3	R1454353-7	ABNL3	07/01/21 22:44
ABNL2	R1454353-5	ABNL2	07/01/21 23:08
ABNL1	R1454353-4	ABNL1	07/01/21 23:31
AP9L10	R1454353-24	AP9L10	07/01/21 23:55
AP9L9	R1454353-33	AP9L9	07/02/21 00:19
AP9L8	R1454353-32	AP9L8	07/02/21 00:42
AP9L7	R1454353-31	AP9L7	07/02/21 01:06
AP9L6	R1454353-30	AP9L6	07/02/21 01:30
AP9L5	R1454353-28	AP9L5	07/02/21 01:53
AP9L4	R1454353-29	AP9L4	07/02/21 02:17
AP9L3	R1454353-27	AP9L3	07/02/21 02:41
AP9L2	R1454353-26	AP9L2	07/02/21 03:04
AP9L1	R1454353-25	AP9L1	07/02/21 03:28
ABN ICV Quant Report	R1454353-1	ABNICV	07/02/21 03:52
AP9 ICV Quant Report	R1454353-3	AP9ICV	07/02/21 04:16



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2143009
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----											
2) t N-Nitrosodimethylamine		0.372	0.401	0.402	0.393	0.384	0.404	0.391	0.362	0.357	0.385	4.60
3) t Pyridine		0.561	0.671	0.580	0.697	0.598	0.637	0.657	0.618	0.577	0.622	7.54
4) S 2-Fluorophenol		0.576	0.648	0.620	0.596	0.614	0.623	0.616	0.621	0.596	0.608	3.91
5) T Aniline		0.991	1.098	1.081	1.075	1.048	1.059	1.095	1.066	1.014	0.968	4.21
6) t 2-Chlorophenol		0.662	0.747	0.741	0.739	0.761	0.761	0.808	0.792	0.767	0.724	5.33
7) S Phenol-d6		0.749	0.783	0.795	0.796	0.802	0.809	0.854	0.822	0.796	0.760	3.75
8) T Phenol		0.852	0.822	0.866	0.844	0.848	0.862	0.881	0.880	0.837	0.794	3.14
9) T bis(2-Chloroethyl)ether		0.746	0.696	0.673	0.679	0.671	0.658	0.688	0.666	0.634	0.608	5.47
10) T 1,3-Dichlorobenzene		0.961	1.006	0.986	0.962	0.940	0.935	0.949	0.929	0.875	0.836	5.34
11) T 1,4-Dichlorobenzene		0.888	0.928	0.996	0.964	0.958	0.965	0.972	0.947	0.896	0.856	4.69
12) T 1,2-Dichlorobenzene		1.002	0.920	0.953	0.913	0.929	0.911	0.956	0.920	0.867	0.825	5.28
13) t Benzyl alcohol		0.512	0.496	0.536	0.564	0.568	0.612	0.611	0.583	0.558	0.560	7.14
14) T bis(2-chloroisopropyl)ether		1.165	1.128	1.167	1.152	1.183	1.156	1.196	1.160	1.094	1.078	3.27
15) T 2-Methylphenol		0.628	0.598	0.684	0.651	0.660	0.674	0.699	0.698	0.666	0.636	4.88
16) T Hexachloroethane		0.347	0.324	0.349	0.341	0.348	0.340	0.350	0.339	0.330	0.315	3.48
17) T n-Nitrosodi-n-propylamine		0.445	0.449	0.486	0.501	0.504	0.511	0.547	0.534	0.507	0.490	6.52
18) T 3-Methylphenol/4-Methylphenol		0.661	0.674	0.650	0.695	0.706	0.717	0.759	0.752	0.723	0.693	5.13
19) S Nitrobenzene-d5		0.615	0.621	0.657	0.670	0.679	0.702	0.754	0.751	0.732	0.695	7.15
20) T Nitrobenzene		0.645	0.577	0.606	0.656	0.675	0.685	0.748	0.754	0.726	0.689	8.56
21) T Isophorone		1.277	1.296	1.345	1.397	1.454	1.453	1.568	1.529	1.466	1.409	6.65
22) T 2-Nitrophenol				0.266	0.299	0.325	0.372	0.380	0.390	0.373	0.344	13.75
23) T 2,4-Dimethylphenol		0.698	0.712	0.747	0.756	0.764	0.798	0.851	0.825	0.806	0.764	6.25
24) T bis(2-Chloroethoxy)methane		0.849	0.878	0.865	0.896	0.903	0.908	0.947	0.928	0.876	0.847	3.69
25) T 2,4-Dichlorophenol			0.645	0.661	0.684	0.717	0.736	0.813	0.796	0.778	0.749	8.15
26) T 1,2,4-Trichlorobenzene		0.824	0.862	0.849	0.861	0.852	0.868	0.887	0.863	0.836	0.808	2.70
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----											
28) T Benzaldehyde			0.631	0.630	0.629	0.635	0.651	0.636	0.651	0.666	0.641	2.07
29) T Acetophenone			1.131	1.087	1.117	1.133	1.184	1.156	1.189	1.197	1.149	3.38
30) T m-Toluidine			1.108	1.099	1.098	1.123	1.177	1.169	1.208	1.211	1.149	4.15
31) T 2-Chloroaniline		1.055	1.062	1.074	1.080	1.080	1.140	1.118	1.151	1.162	1.102	3.69
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----											
33) T n-Decane		0.830	0.805	0.800	0.795	0.790	0.792	0.763	0.796	0.757	0.793	2.58
34) I IS1_Naphthalene-d8	-----ISTD-----											
35) T Naphthalene		1.045	1.054	1.050	1.050	1.037	1.048	1.046	1.048	1.058	1.068	0.80
36) T Benzoic Acid					0.110	0.154	0.188	0.208	0.237	0.242	*L	0.9990



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2143009
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) T 4-Chloroaniline		0.118	0.108	0.117	0.115	0.122	0.119	0.121	0.123	0.124	0.118	4.11
38) T Hexachlorobutadiene		0.218	0.201	0.203	0.202	0.204	0.208	0.205	0.215	0.220	0.208	3.50
39) T p-Chloro-m-cresol		0.226	0.236	0.266	0.270	0.285	0.297	0.307	0.310	0.316	0.279	11.61
40) T 2-Methylnaphthalene	0.679	0.732	0.717	0.732	0.742	0.759	0.755	0.775	0.778	0.792	0.746	4.47
41) T 1-Methylnaphthalene	0.237	0.222	0.229	0.238	0.231	0.240	0.242	0.249	0.249	0.253	0.239	4.07
42) T Hexachlorocyclopentadiene	0.197	0.215	0.228	0.237	0.234	0.251	0.264	0.272	0.288	0.293	0.248	12.67
43) T 2,4,6-Trichlorophenol			0.197	0.216	0.224	0.239	0.259	0.265	0.270	0.273	0.243	11.68
44) T 2,4,5-Trichlorophenol			0.212	0.232	0.239	0.265	0.274	0.286	0.296	0.302	0.263	12.37
45) S 2-Fluorobiphenyl	0.877	0.891	0.842	0.883	0.895	0.920	0.912	0.933	0.935	0.957	0.905	3.73
46) T 2-Chloronaphthalene	0.744	0.702	0.708	0.725	0.736	0.757	0.751	0.770	0.764	0.782	0.744	3.54
47) T 2-Nitroaniline			0.142	0.155	0.169	0.194	0.215	0.228	0.239	0.240	0.198	19.55
48) T 1,4-Dinitrobenzene					0.071	0.082	0.095	0.105	0.112	0.112	0.096	17.54
49) T 1,3-Dinitrobenzene				0.086	0.090	0.106	0.119	0.129	0.136	0.140	0.115	18.91
50) T Dimethyl phthalate	0.862	0.815	0.815	0.851	0.888	0.935	0.945	0.982	0.969	0.994	0.906	7.52
51) T Acenaphthylene	1.124	1.151	1.153	1.208	1.244	1.286	1.325	1.348	1.337	1.368	1.254	7.27
52) T 2,6-Dinitrotoluene			0.122	0.141	0.154	0.176	0.192	0.199	0.200	0.205	0.174	17.97
53) T 1,2-Dinitrobenzene			0.052	0.065	0.069	0.078	0.083	0.087	0.088	0.088	0.076	17.23
54) I IS2_Naphthalene-d8	-----ISTD-----											
55) T a-Terpineol			0.220	0.227	0.232	0.242	0.255	0.256	0.261	0.266	0.245	6.98
56) T 3-Chloroaniline				0.118	0.117	0.131	0.136	0.132	0.136	0.132	0.129	6.20
57) T 2,6-Dichlorophenol				0.257	0.268	0.288	0.306	0.309	0.320	0.333	0.297	9.24
58) T 1-chloro-2-nitrobenzene			0.112	0.105	0.112	0.118	0.127	0.130	0.137	0.139	0.123	10.31
59) T Caprolactam				0.108	0.117	0.130	0.142	0.147	0.153	0.156	0.136	13.57
60) T 1,2,4,5-Tetrachlorobenzene	0.355	0.348	0.363	0.370	0.369	0.383	0.391	0.385	0.386	0.396	0.375	4.30
61) T Biphenyl	0.995	0.919	0.922	0.943	0.939	0.970	0.987	0.976	0.987	1.006	0.964	3.25
62) I IS1_Acenaphthene-d10	-----ISTD-----											
63) T 3-Nitroaniline			0.225	0.278	0.293	0.315	0.332	0.340	0.354	0.353	0.311	14.21
64) T Acenaphthene	1.035	1.090	1.098	1.117	1.121	1.130	1.112	1.128	1.140	1.147	1.112	2.91
65) T 2,4-Dinitrophenol					0.099	0.118	0.145	0.158	0.182	0.186	*L	0.9982
66) T Dibenzofuran	1.734	1.851	1.799	1.865	1.809	1.845	1.816	1.839	1.861	1.878	1.830	2.30
67) T 2,4-Dinitrotoluene			0.236	0.312	0.333	0.361	0.401	0.416	0.437	0.432	0.366	19.08
68) T 4-Nitrophenol				0.186	0.188	0.217	0.220	0.231	0.241	0.242	0.218	10.60
69) T 2,3,5,6-Tetrachlorophenol			0.280	0.322	0.333	0.352	0.374	0.389	0.402	0.409	0.358	12.42
70) T 2,3,4,6-Tetrachlorophenol			0.305	0.339	0.350	0.371	0.384	0.389	0.408	0.410	0.370	9.81
71) T Diethyl phthalate	1.340	1.362	1.383	1.485	1.499	1.558	1.553	1.571	1.554	1.580	1.489	6.24
72) T Fluorene	1.330	1.389	1.408	1.438	1.407	1.451	1.451	1.464	1.486	1.487	1.431	3.40



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : SV106
 Calibration dates : 07/01/21 19:59 07/02/21 09:44

Lab Number : L2143009
 Project Number : 190273.2021
 Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
73) T	4-Chlorophenyl-phenylether	0.687	0.697	0.677	0.693	0.691	0.714	0.697	0.711	0.727	0.735	0.703	2.64
74) T	4-Nitroaniline			0.227	0.270	0.281	0.322	0.337	0.347	0.360	0.345	0.311	14.95
75) T	4,6-Dinitro-o-cresol			0.127	0.129	0.162	0.195	0.212	0.236	0.237		*L	0.9981
76) T	NDPA/DPA	1.121	1.187	1.200	1.273	1.251	1.311	1.287	1.307	1.310	1.317	1.256	5.28
77) T	Azobenzene	1.084	1.078	1.137	1.173	1.154	1.208	1.193	1.205	1.208	1.226	1.167	4.51
78) S	2,4,6-Tribromophenol		0.162	0.187	0.200	0.216	0.221	0.242	0.249	0.265	0.275	0.224	16.66
79) T	4-Bromophenyl-phenylether	0.367	0.411	0.417	0.414	0.425	0.440	0.438	0.446	0.455	0.465	0.428	6.51
80) T	Hexachlorobenzene	0.494	0.469	0.483	0.501	0.487	0.511	0.500	0.512	0.526	0.538	0.502	4.11
81) T	Pentachlorophenol			0.227	0.243	0.265	0.294	0.315	0.334	0.341	0.288	15.44	
82) I	IS2_Acenaphthene-d10	-----ISTD-----											
83) T	Dichloran			0.101	0.105	0.113	0.129	0.149	0.162			0.127	19.56
84) T	Pentachloronitrobenzene			0.118	0.129	0.138	0.153	0.166	0.177	0.193	0.202	0.159	19.03
85) I	IS3_Acenaphthene-d10	-----ISTD-----											
86) T	Atrazine		0.238	0.259	0.285	0.323	0.343	0.383	0.418	0.454	0.478	*Q	0.9951
87) I	IS1_Phenanthrene-d10	-----ISTD-----											
88) T	Phenanthrene	1.128	1.133	1.112	1.147	1.132	1.140	1.158	1.151	1.185	1.210	1.150	2.52
89) T	Anthracene	1.030	1.038	1.124	1.126	1.151	1.154	1.189	1.199	1.231	1.255	1.150	6.47
90) T	Carbazole	0.913	0.983	1.043	1.052	1.068	1.093	1.113	1.116	1.139	1.153	1.067	6.94
91) T	Di-n-butylphthalate		1.175	1.128	1.166	1.276	1.366	1.375	1.430	1.483	1.300	10.25	
92) T	Fluoranthene	1.141	1.146	1.310	1.275	1.270	1.322	1.345	1.358	1.411	1.401	1.298	7.21
93) T	Benzidine			0.790	0.828	0.907	0.978	0.984	1.045	1.024	0.937	10.44	
94) T	Pyrene	1.269	1.283	1.368	1.379	1.369	1.410	1.433	1.436	1.478	1.465	1.389	5.09
95) S	4-Terphenyl-d14	0.887	0.932	1.018	0.999	1.001	1.043	1.062	1.077	1.139	1.125	1.028	7.68
96) T	Butyl benzyl phthalate		0.392	0.412	0.442	0.518	0.576	0.592	0.642	0.636	0.526	19.07	
97) I	IS2_Phenanthrene-d10	-----ISTD-----											
98) T	Diphenamid			0.457	0.491	0.520	0.558	0.571	0.602	0.617	0.545	10.71	
99) I	IS3_Phenanthrene-d10	-----ISTD-----											
100) T	n-Octadecane		0.318	0.343	0.377	0.388	0.409	0.436	0.433	0.438	0.450	0.399	11.57
101) T	Parathion				0.052	0.055	0.073	0.083	0.103	0.112		*L	0.9909
102) T	3,3'-Dimethylbenzidine				0.584	0.638	0.765	0.837	0.861	0.905	0.765	16.82	
103) I	IS1_Chrysene-d12	-----ISTD-----											
104) T	Benzo[a]anthracene	1.221	1.217	1.257	1.230	1.258	1.258	1.281	1.276	1.297	1.286	1.258	2.20
105) T	3,3'-Dichlorobenzidine			0.423	0.451	0.469	0.488	0.512	0.522	0.534	0.531	0.491	8.28
106) T	Chrysene	1.292	1.277	1.258	1.247	1.243	1.255	1.242	1.251	1.207	1.199	1.247	2.23
107) T	bis(2-Ethylhexyl)phthalate		0.497	0.661	0.687	0.727	0.821	0.872	0.915	0.913	0.935	0.781	18.99
108) T	Di-n-octylphthalate			0.999	1.110	1.161	1.379	1.455	1.523	1.552	1.561	1.342	16.48



Initial Calibration Summary

Form 6

Semivolatiles

Client : TRC Solutions
Project Name : FORMER CHROMALLOY FACILITY
Instrument ID : SV106
Calibration dates : 07/01/21 19:59 07/02/21 09:44
Lab Number : L2143009
Project Number : 190273.2021
Ical Ref : ICAL18124

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =ABNL6.D L7 =ABNL7.D
 L8 =ABNL8.D L9 =ABNL9.D L10 =ABNL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
109) T Benzo(b)fluoranthene	1.014	1.173	1.272	1.318	1.250	1.396	1.292	1.259	1.255	1.241	1.247	8.01
110) T Benzo(k)fluoranthene	1.065	1.224	1.253	1.307	1.299	1.195	1.207	1.245	1.196	1.144	1.213	5.92
111) T Benzo(a)pyrene	0.963	1.088	1.210	1.247	1.227	1.234	1.202	1.218	1.201	1.166	1.176	7.43
112) I IS1_Perylene-d12	-----ISTD-----											
113) T Indeno(1,2,3-cd)pyrene	0.906	1.031	1.073	1.077	1.129	1.146	1.159	1.263	1.329	1.124	11.09	
114) T Dibenzo[a,h]anthracene	0.872	1.018	1.075	1.122	1.124	1.144	1.138	1.191	1.224	1.292	1.120	10.33
115) T Benzo(g,h,i)perylene	0.900	1.077	1.103	1.155	1.151	1.127	1.146	1.180	1.201	1.265	1.131	8.53

Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : SV106
 Lab File ID : ABN0816
 Sample No : WG1535379-3
 Channel :

Lab Number : L2143009
 Project Number : 190273.2021
 Calibration Date : 08/16/21 06:42
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.385	0.38	-	1.3	20	127	0
Pyridine	0.622	0.508	-	18.3	20	109	0
2-Fluorophenol	0.608	0.593	-	2.5	20	122	0
Aniline	1.05	0.894	-	14.9	20	108	0
2-Chlorophenol	0.75	0.721	-	3.9	20	121	0
Phenol-d6	0.797	0.735	-	7.8	20	117	0
Phenol	0.849	0.775	-	8.7	20	115	0
Bis(2-chloroethyl)ether	0.672	0.601	-	10.6	20	117	0
1,3-Dichlorobenzene	0.938	0.847	-	9.7	20	116	0
1,4-Dichlorobenzene	0.937	0.879	-	6.2	20	117	0
1,2-Dichlorobenzene	0.92	0.841	-	8.6	20	119	0
Benzyl alcohol	0.56	0.522	-	6.8	20	118	0
Bis(2-chloroisopropyl)ethe	1.148	0.923	-	19.6	20	102	0
2-Methylphenol	0.659	0.614	-	6.8	20	117	0
Hexachloroethane	0.338	0.347	-	-2.7	20	131	0
n-Nitrosodi-n-propylamine	0.497	0.46	-	7.4	20	116	0
3-Methylphenol/4-Methylphe	0.703	0.664	-	5.5	20	119	0
Nitrobenzene-d5	0.688	0.739	-	-7.4	20	135	0
Nitrobenzene	0.676	0.967	-	-43*	20	181	0
Isophorone	1.419	1.213	-	14.5	20	107	0
2-Nitrophenol	0.344	0.396	-	-15.1	20	156	0
2,4-Dimethylphenol	0.772	0.714	-	7.5	20	115	0
Bis(2-chloroethoxy)methane	0.89	0.838	-	5.8	20	119	0
2,4-Dichlorophenol	0.731	0.688	-	5.9	20	120	0
1,2,4-Trichlorobenzene	0.851	0.789	-	7.3	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	130	0
Naphthalene	1.05	0.978	-	6.9	20	122	0
Benzoic Acid	5	5.031	-	-0.6	20	132	0
4-Chloroaniline	0.118	0.105	-	11	20	112	0
Hexachlorobutadiene	0.208	0.193	-	7.2	20	123	0
p-Chloro-m-cresol	0.279	0.264	-	5.4	20	120	0
2-Methylnaphthalene	0.746	0.602	-	19.3	20	103	0
1-Methylnaphthalene	0.239	0.222	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.248	0.251	-	-1.2	20	130	0
2,4,6-Trichlorophenol	0.243	0.228	-	6.2	20	125	0
2,4,5-Trichlorophenol	0.263	0.248	-	5.7	20	122	0
2-Fluorobiphenyl	0.905	0.786	-	13.1	20	111	0
2-Chloronaphthalene	0.744	0.675	-	9.3	20	116	0
2-Nitroaniline	0.198	0.205	-	-3.5	20	138	0
1,4-Dinitrobenzene	0.096	0.094	-	2.1	20	150	0
1,3-Dinitrobenzene	0.115	0.112	-	2.6	20	139	0
Dimethyl phthalate	0.906	0.803	-	11.4	20	112	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : SV106
 Lab File ID : ABN0816
 Sample No : WG1535379-3
 Channel :

Lab Number : L2143009
 Project Number : 190273.2021
 Calibration Date : 08/16/21 06:42
 Init. Calib. Date(s) : 07/01/21 07/02/21
 Init. Calib. Times : 19:59 09:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.254	1.12	-	10.7	20	114	0
2,6-Dinitrotoluene	0.174	0.173	-	0.6	20	128	0
1,2-Dinitrobenzene	0.076	0.074	-	2.6	20	123	0
IS1_Acenaphthene-d10	1	1	-	0	20	119	0
3-Nitroaniline	0.311	0.344	-	-10.6	20	130	0
Acenaphthene	1.112	1.083	-	2.6	20	114	0
2,4-Dinitrophenol	5	5.772	-	-15.4	20	153	0
Dibenzofuran	1.83	1.727	-	5.6	20	111	0
2,4-Dinitrotoluene	0.366	0.406	-	-10.9	20	133	0
4-Nitrophenol	0.218	0.235	-	-7.8	20	128	0
2,3,5,6-Tetrachlorophenol	0.358	0.37	-	-3.4	20	124	0
2,3,4,6-Tetrachlorophenol	0.37	0.354	-	4.3	20	113	0
Diethyl phthalate	1.489	1.466	-	1.5	20	112	0
Fluorene	1.431	1.362	-	4.8	20	111	0
4-Chlorophenyl phenyl ethe	0.703	0.656	-	6.7	20	109	0
4-Nitroaniline	0.311	0.34	-	-9.3	20	125	0
4,6-Dinitro-o-cresol	5	6.021	-	-20.4*	20	166	0
NDPA/DPA	1.256	1.171	-	6.8	20	106	0
Azobenzene	1.167	1.132	-	3	20	111	0
2,4,6-Tribromophenol	0.224	0.247	-	-10.3	20	133	0
4-Bromophenyl phenyl ether	0.428	0.406	-	5.1	20	109	0
Hexachlorobenzene	0.502	0.49	-	2.4	20	113	0
Pentachlorophenol	0.288	0.239	-	17	20	107	0
IS1_Phenanthrene-d10	1	1	-	0	20	118	0
Phenanthrene	1.15	1.052	-	8.5	20	109	0
Anthracene	1.15	1.061	-	7.7	20	108	0
Carbazole	1.067	0.999	-	6.4	20	108	0
Di-n-butylphthalate	1.3	1.154	-	11.2	20	107	0
Fluoranthene	1.298	1.194	-	8	20	106	0
Benzidine	0.937	0.77	-	17.8	20	100	0
Pyrene	1.389	1.283	-	7.6	20	107	0
4-Terphenyl-d14	1.028	0.923	-	10.2	20	104	0
Butyl benzyl phthalate	0.526	0.515	-	2.1	20	117	0
IS1_Chrysene-d12	1	1	-	0	20	113	0
Benzo(a)anthracene	1.258	1.245	-	1	20	111	0
3,3'-Dichlorobenzidine	0.491	0.442	-	10	20	102	0
Chrysene	1.247	1.102	-	11.6	20	99	0
Bis(2-ethylhexyl)phthalate	0.781	0.774	-	0.9	20	106	0
Di-n-octylphthalate	1.342	1.284	-	4.3	20	105	0
Benzo(b)fluoranthene	1.247	1.246	-	0.1	20	101	0
Benzo(k)fluoranthene	1.213	1.236	-	-1.9	20	117	0
Benzo(a)pyrene	1.176	1.209	-	-2.8	20	110	0
IS1_Perylene-d12	1	1	-	0	20	119	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client	: TRC Solutions	Lab Number	: L2143009
Project Name	: FORMER CHROMALLOY FACILITY	Project Number	: 190273.2021
Instrument ID	: SV106	Calibration Date	: 08/16/21 06:42
Lab File ID	: ABN0816	Init. Calib. Date(s)	: 07/01/21 07/02/21
Sample No	: WG1535379-3	Init. Calib. Times	: 19:59 09:44
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.124	1.009	-	10.2	20	106	0
Dibenzo(a,h)anthracene	1.12	1.094	-	2.3	20	113	0
Benzo(ghi)perylene	1.131	1.159	-	-2.5	20	122	0

* Value outside of QC limits.



SVOC SIM Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8270D SIM Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2143009**

**2 Ground Water Samples
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: Method blank WG1535181-1BLANK contained naphthalene (0.50 ug/L) and 2-methylnaphthalene (0.10 ug/L) above the reporting limits. Positive results for naphthalene and 2-methylnaphthalene that are less than 10 times the blank level should be considered rejected, unusable (R) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three base/neutral surrogate recoveries for sample MW-4A was above control limits. No action is taken on one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and percent recoveries were within QC limits for aqueous samples WG1535181-2/3.

Compound ID: The analyses of the ground water samples reported target compounds as not detected.

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: TRC Solutions
Project Name: FORMER CHROMALLOY FACILITY

Lab Number: L2143009
Project Number: 190273.2021
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-4A (L2143009-01)	76	68	141*	102	111	135	1
MW-2A (L2143009-02)	57	48	107	77	81	95	0
WG1535181-1BLANK	44	38	88	66	59	83	0
WG1535181-2LCS	43	37	82	59	65	73	0
WG1535181-3LCSD	47	40	88	64	70	76	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-SIM-LVI



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Lab ID : WG1535181-1
 Client ID : WG1535181-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270D-SIM
 Lab File ID : 535181-1
 Sample Amount : 275 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2143009
 Project Number : 190273.2021
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 08/15/21 20:03
 Date Extracted : 08/14/21
 Dilution Factor : 1
 Analyst : JJW
 Instrument ID : SV128
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.50	0.10	0.05	
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	0.10	0.10	0.02	
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U



Pesticide Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Sample
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of method blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for aqueous MS/MSD sample MW-5A.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits, but the relative percent differences for target pesticides were above the allowable maximum and the for aqueous samples WG1535265-2/3. Positive results for the 20 single component target pesticides should be considered estimated (J) in associated aqueous samples.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %Ds and average %Ds for target pesticides were below the allowable maximum (20%) for both columns, as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analyses of the ground water samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of the ground water samples reported target multi-component pesticides as not detected.

Laboratory Control Sample Summary

Form 3

Pesticides

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Matrix : WATER
 LCS Sample ID : WG1535265-2 Analysis Date : 08/16/21 18:41 File ID : 15210816a-21
 LCSD Sample ID : WG1535265-3 Analysis Date : 08/16/21 18:53 File ID : 15210816a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD		Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R				
Delta-BHC	0.357	0.319	89	0.357	0.184	52	54	Q	30-150	20
Lindane	0.357	0.323	90	0.357	0.183	51	55	Q	30-150	20
Alpha-BHC	0.357	0.262	73	0.357	0.155	43	51	Q	30-150	20
Beta-BHC	0.357	0.313	88	0.357	0.176	49	56	Q	30-150	20
Heptachlor	0.357	0.312	87	0.357	0.182	51	53	Q	30-150	20
Aldrin	0.357	0.341	96	0.357	0.185	52	59	Q	30-150	20
Heptachlor epoxide	0.357	0.297	83	0.357	0.168	47	56	Q	30-150	20
Endrin	0.357	0.330	92	0.357	0.186	52	56	Q	30-150	20
Endrin aldehyde	0.357	0.282	79	0.357	0.166	47	52	Q	30-150	20
Endrin ketone	0.357	0.322	90	0.357	0.188	53	53	Q	30-150	20
Dieldrin	0.357	0.349	98	0.357	0.195	55	57	Q	30-150	20
4,4'-DDE	0.357	0.331	93	0.357	0.185	52	57	Q	30-150	20
4,4'-DDD	0.357	0.349	98	0.357	0.199	56	55	Q	30-150	20
4,4'-DDT	0.357	0.343	96	0.357	0.196	55	54	Q	30-150	20
Endosulfan I	0.357	0.304	85	0.357	0.166	47	59	Q	30-150	20
Endosulfan II	0.357	0.323	90	0.357	0.183	51	55	Q	30-150	20
Endosulfan sulfate	0.357	0.328	92	0.357	0.194	54	51	Q	30-150	20
Methoxychlor	0.357	0.330	92	0.357	0.196	55	51	Q	30-150	20
cis-Chlordane	0.357	0.285	80	0.357	0.154	43	60	Q	30-150	20
trans-Chlordane	0.357	0.344	96	0.357	0.192	54	57	Q	30-150	20



PCB Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Samples
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for aqueous samples WG1535666-2/3.

Initial Calibration: The average %RSDs for aroclor 1016 and aroclor 1260 were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %D for aroclor 1016 was above the allowable maximum (20%) for channel A on 08-17-21 (P2210817a-04). Positive results for aroclor-1016 should be considered estimated (J) in associated samples.

PCB Identification Summary: Checked surrogate results were within quantitation limits. The analyses of the ground water samples reported target compounds as not detected.

Calibration Verification Summary

Form 7

PCBs

Client : TRC Solutions
 Project Name : FORMER CHROMALLOY FACILITY
 Instrument ID : PEST2
 Lab File ID : P2210817a-04
 Sample No : WG1535871-1
 Channel : A

Lab Number : L2143009
 Project Number : 190273.2021
 Calibration Date : 08/17/21 08:56
 Init. Calib. Date(s) : 06/30/21 07/01/21
 Init. Calib. Times : 20:28 09:36

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	87	0
2,4,5,6-Tetrachloro-m-xylene	1.3	1.913	-	-47.2*	20	132	0
Decachlorobiphenyl	1.159	1.249	-	-7.8	20	110	.05
1016-1	0.024	0.029	-	-20.8*	20	115	0
1016-2	0.05	0.054	-	-8	20	97	.01
1016-3	0.102	0.129	-	-26.5*	20	111	.01
1016-4	0.043	0.053	-	-23.3*	20	111	.02
1016-5	0.044	0.054	-	-22.7*	20	108	.02
1260-1	0.068	0.084	-	-23.5*	20	109	.03
1260-2	0.105	0.12	-	-14.3	20	105	.03
1260-3	0.065	0.074	-	-13.8	20	100	.04
1260-4	0.155	0.159	-	-2.6	20	93	.04
1260-5	0.105	0.117	-	-11.4	20	103	.04

ave. %D aroclor 1016 = 20.3%

ave. %D aroclor 1260 = 13.1%

* Value outside of QC limits.



Herbicide Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Samples
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for ground water samples WG1534458-2/3.

Initial Calibration: The %RSDs for target herbicides were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for target herbicides were below the allowable maximum (15%) for both columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the ground water samples reported target herbicides as not detected.

Metals Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Sample
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration, method, and equipment blanks reported target metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for aqueous batch spike sample L2143366-01 and aqueous spike sample MW-4A.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous batch duplicate sample WG1534215-4 and aqueous duplicate sample MW-4A, as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for aqueous samples WG1534215-2 and WG1534219-2.

General Chemistry

Data Section



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2143009**

**2 Ground Water Samples
Collected August 11, 2021**

Prepared by: Donald Anné
September 23, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (80-120%) for aqueous MS/MSD sample MW-2A.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (20%) for aqueous MS/MSD sample MW-52, as required.

Laboratory Control Sample: The relative percent differences for total cyanide were below the allowable maximum and the percent recoveries were within QC limits (85-115%) for aqueous samples WG1534795-2/3.

Field Duplicate Calculation Section

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

APPENDIX C
LABORATORY ANALYTICAL SUMMARY REPORTS



ANALYTICAL REPORT

Lab Number:	L2143009
Client:	TRC Solutions 10 Maxwell Drive Suite 200 Clifton Park, NY 12065
ATTN:	Justin King
Phone:	(518) 688-3109
Project Name:	FORMER CHROMALLOY FACILITY
Project Number:	190273.2021
Report Date:	08/25/21

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

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

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



Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2143009-01	MW-4A	WATER	WEST NYACK, NY	08/11/21 11:20	08/11/21
L2143009-02	MW-2A	WATER	WEST NYACK, NY	08/11/21 12:30	08/11/21
L2143009-03	TRIP BLANK	WATER	WEST NYACK, NY	08/11/21 00:00	08/11/21

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Case Narrative

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

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

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

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

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

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

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Case Narrative (continued)

Report Submission

August 25, 2021: This final report includes the results of all requested analyses.

August 18, 2021: This is a preliminary report.

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

Semivolatile Organics by SIM

The WG1535181-1 Method Blank, associated with L2143009-01 and -02, has concentrations above the reporting limits for Naphthalene and 2-Methylnaphthalene. Since the associated sample concentrations are either greater than 10x the blank concentrations or non-detect to the RL for these target analytes, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

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: 08/25/21

ORGANICS

VOLATILES

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/21 11:53
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/21 12:22
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	0.35	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-03
Client ID: TRIP BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 00:00
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/21 11:25
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-03
Client ID: TRIP BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 00:00
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/13/21 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1535149-5					
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
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/13/21 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1535149-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/13/21 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1535149-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1535149-3 WG1535149-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	88		84		70-130	5		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	87		86		63-132	1		20
1,2-Dichloropropane	89		84		70-130	6		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	95		92		70-130	3		20
Tetrachloroethene	92		90		70-130	2		20
Chlorobenzene	96		91		75-130	5		20
Trichlorofluoromethane	91		88		62-150	3		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	88		85		67-130	3		20
Bromodichloromethane	96		91		67-130	5		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	96		91		70-130	5		20
Bromoform	86		88		54-136	2		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	99		94		70-130	5		20
Toluene	97		93		70-130	4		20
Ethylbenzene	93		89		70-130	4		20
Chloromethane	95		93		64-130	2		20
Bromomethane	110		94		39-139	16		20
Vinyl chloride	71		69		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1535149-3 WG1535149-4								
Chloroethane	88		91		55-138	3		20
1,1-Dichloroethene	92		89		61-145	3		20
trans-1,2-Dichloroethene	100		91		70-130	9		20
Trichloroethene	82		77		70-130	6		20
1,2-Dichlorobenzene	93		92		70-130	1		20
1,3-Dichlorobenzene	91		93		70-130	2		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	95		92		70-130	3		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	110		99		36-147	11		20
Acetone	91		98		58-148	7		20
Carbon disulfide	98		93		51-130	5		20
2-Butanone	89		86		63-138	3		20
4-Methyl-2-pentanone	74		77		59-130	4		20
2-Hexanone	88		96		57-130	9		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	86		93		41-144	8		20
Isopropylbenzene	87		87		70-130	0		20
1,2,3-Trichlorobenzene	89		87		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1535149-3 WG1535149-4								
1,2,4-Trichlorobenzene	91		85		70-130	7		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	72		67	Q	70-130	7		20
1,4-Dioxane	90		100		56-162	11		20
Freon-113	100		94		70-130	6		20
Methyl cyclohexane	93		86		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	103		106		70-130

SEMIVOLATILES

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/16/21 17:05
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	103		41-149

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/16/21 13:13
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
 Client ID: MW-4A
 Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
 Date Received: 08/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	141	Q	23-120
2-Fluorobiphenyl	102		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	135		41-149

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/16/21 17:29
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21**SAMPLE RESULTS**

Lab ID: L2143009-02
 Client ID: MW-2A
 Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
 Date Received: 08/11/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	63		41-149

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/16/21 13:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	95		41-149

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 08:18
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/14/21 20:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1535180-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/21 08:18
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/14/21 20:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1535180-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	58		41-149

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/21 20:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/14/21 20:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1535181-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.50		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.10		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/15/21 20:03
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/14/21 20:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1535181-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	83		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1535180-2 WG1535180-3								
Bis(2-chloroethyl)ether	53		51		40-140	4		30
3,3'-Dichlorobenzidine	48		50		40-140	4		30
2,4-Dinitrotoluene	59		62		48-143	5		30
2,6-Dinitrotoluene	55		56		40-140	2		30
4-Chlorophenyl phenyl ether	54		54		40-140	0		30
4-Bromophenyl phenyl ether	54		55		40-140	2		30
Bis(2-chloroisopropyl)ether	50		48		40-140	4		30
Bis(2-chloroethoxy)methane	57		55		40-140	4		30
Hexachlorocyclopentadiene	51		50		40-140	2		30
Isophorone	51		50		40-140	2		30
Nitrobenzene	82		80		40-140	2		30
NDPA/DPA	53		55		40-140	4		30
n-Nitrosodi-n-propylamine	55		52		29-132	6		30
Bis(2-ethylhexyl)phthalate	59		65		40-140	10		30
Butyl benzyl phthalate	54		62		40-140	14		30
Di-n-butylphthalate	51		53		40-140	4		30
Di-n-octylphthalate	60		66		40-140	10		30
Diethyl phthalate	55		58		40-140	5		30
Dimethyl phthalate	50		51		40-140	2		30
Biphenyl	50		51		40-140	2		30
4-Chloroaniline	33	Q	34	Q	40-140	3		30
2-Nitroaniline	58		60		52-143	3		30
3-Nitroaniline	52		52		25-145	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1535180-2 WG1535180-3								
4-Nitroaniline	56		59		51-143	5		30
Dibenzofuran	56		56		40-140	0		30
1,2,4,5-Tetrachlorobenzene	54		53		2-134	2		30
Acetophenone	53		52		39-129	2		30
2,4,6-Trichlorophenol	52		54		30-130	4		30
p-Chloro-m-cresol	54		55		23-97	2		30
2-Chlorophenol	55		53		27-123	4		30
2,4-Dichlorophenol	57		55		30-130	4		30
2,4-Dimethylphenol	52		48		30-130	8		30
2-Nitrophenol	66		63		30-130	5		30
4-Nitrophenol	54		61		10-80	12		30
2,4-Dinitrophenol	68		66		20-130	3		30
4,6-Dinitro-o-cresol	71		70		20-164	1		30
Phenol	38		37		12-110	3		30
2-Methylphenol	52		51		30-130	2		30
3-Methylphenol/4-Methylphenol	53		52		30-130	2		30
2,4,5-Trichlorophenol	54		54		30-130	0		30
Carbazole	55		58		55-144	5		30
Atrazine	65		76		40-140	16		30
Benzaldehyde	49		49		40-140	0		30
Caprolactam	21		21		10-130	0		30
2,3,4,6-Tetrachlorophenol	53		54		40-140	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1535180-2 WG1535180-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		53		21-120
Phenol-d6	43		41		10-120
Nitrobenzene-d5	70		67		23-120
2-Fluorobiphenyl	54		54		15-120
2,4,6-Tribromophenol	63		66		10-120
4-Terphenyl-d14	57		61		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER CHROMALLOY FACILITY

Lab Number: L2143009

Project Number: 190273.2021

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1535181-2 WG1535181-3								
Acenaphthene	51		57		40-140	11		40
2-Chloronaphthalene	54		59		40-140	9		40
Fluoranthene	57		60		40-140	5		40
Hexachlorobutadiene	52		56		40-140	7		40
Naphthalene	52		55		40-140	6		40
Benzo(a)anthracene	56		58		40-140	4		40
Benzo(a)pyrene	54		57		40-140	5		40
Benzo(b)fluoranthene	55		58		40-140	5		40
Benzo(k)fluoranthene	61		64		40-140	5		40
Chrysene	52		57		40-140	9		40
Acenaphthylene	55		60		40-140	9		40
Anthracene	55		58		40-140	5		40
Benzo(ghi)perylene	52		55		40-140	6		40
Fluorene	55		60		40-140	9		40
Phenanthrene	51		55		40-140	8		40
Dibenzo(a,h)anthracene	56		59		40-140	5		40
Indeno(1,2,3-cd)pyrene	54		56		40-140	4		40
Pyrene	57		60		40-140	5		40
2-Methylnaphthalene	54		58		40-140	7		40
Pentachlorophenol	67		60		40-140	11		40
Hexachlorobenzene	43		47		40-140	9		40
Hexachloroethane	57		61		40-140	7		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1535181-2 WG1535181-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		47		21-120
Phenol-d6	37		40		10-120
Nitrobenzene-d5	82		88		23-120
2-Fluorobiphenyl	59		64		15-120
2,4,6-Tribromophenol	65		70		10-120
4-Terphenyl-d14	73		76		41-149

PCBS

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/17/21 10:49
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/16/21 19:00
Cleanup Method: EPA 3665A
Cleanup Date: 08/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/21

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	61		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/17/21 10:56
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/16/21 19:00
Cleanup Method: EPA 3665A
Cleanup Date: 08/17/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/21

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	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/17/21 09:47
 Analyst: JAW

Extraction Method: EPA 3510C
 Extraction Date: 08/16/21 19:00
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/17/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1535666-1						
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	44		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1535666-2 WG1535666-3									
Aroclor 1016	60		63		40-140	6		50	A
Aroclor 1260	55		57		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		57		30-150	A
Decachlorobiphenyl	61		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		53		30-150	B
Decachlorobiphenyl	70		71		30-150	B

PESTICIDES

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/17/21 16:33
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21**SAMPLE RESULTS**

Lab ID: L2143009-01

Date Collected: 08/11/21 11:20

Client ID: MW-4A

Date Received: 08/11/21

Sample Location: WEST NYACK, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-01
Client ID: MW-4A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 11:20
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/15/21 02:05
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/12/21 16:11

Methylation Date: 08/13/21 18:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	100		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/17/21 16:46
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/15/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/15/21 02:24
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/12/21 16:11

Methylation Date: 08/13/21 18:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	109		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/15/21 00:52
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/12/21 15:15

Methylation Date: 08/13/21 18:24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1534458-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	107		30-150	B

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/16/21 18:30
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/15/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1535265-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/16/21 18:30
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/15/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1535265-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	113		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1534458-2 WG1534458-3									
2,4-D	105		104		30-150	1		25	A
2,4,5-T	97		101		30-150	4		25	A
2,4,5-TP (Silvex)	100		102		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	111		114		30-150	A
DCAA	113		119		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1535265-2 WG1535265-3									
Delta-BHC	89		52		30-150	54	Q	20	A
Lindane	90		51		30-150	55	Q	20	A
Alpha-BHC	73		43		30-150	51	Q	20	A
Beta-BHC	88		49		30-150	56	Q	20	A
Heptachlor	87		51		30-150	53	Q	20	A
Aldrin	96		52		30-150	59	Q	20	A
Heptachlor epoxide	83		47		30-150	56	Q	20	A
Endrin	92		52		30-150	56	Q	20	A
Endrin aldehyde	79		47		30-150	52	Q	20	A
Endrin ketone	90		53		30-150	53	Q	20	A
Dieldrin	98		55		30-150	57	Q	20	A
4,4'-DDE	93		52		30-150	57	Q	20	A
4,4'-DDD	98		56		30-150	55	Q	20	A
4,4'-DDT	96		55		30-150	54	Q	20	A
Endosulfan I	85		47		30-150	59	Q	20	A
Endosulfan II	90		51		30-150	55	Q	20	A
Endosulfan sulfate	92		54		30-150	51	Q	20	A
Methoxychlor	92		55		30-150	51	Q	20	A
cis-Chlordane	80		43		30-150	60	Q	20	A
trans-Chlordane	96		54		30-150	57	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1535265-2 WG1535265-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		47		30-150	A
Decachlorobiphenyl	82		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		42		30-150	B
Decachlorobiphenyl	66		40		30-150	B

METALS

Project Name: FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21**SAMPLE RESULTS**

Lab ID: L2143009-01

Date Collected: 08/11/21 11:20

Client ID: MW-4A

Date Received: 08/11/21

Sample Location: WEST NYACK, NY

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	0.0277		mg/l	0.0100	0.00327	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00037	J	mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Barium, Total	0.1424		mg/l	0.00050	0.00017	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Calcium, Total	71.3		mg/l	0.100	0.0394	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Chromium, Total	0.00035	J	mg/l	0.00100	0.00017	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Copper, Total	0.00106		mg/l	0.00100	0.00038	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Iron, Total	0.0458	J	mg/l	0.0500	0.0191	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Magnesium, Total	14.1		mg/l	0.0700	0.0242	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Manganese, Total	0.00271		mg/l	0.00100	0.00044	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/13/21 09:35	08/13/21 14:37	EPA 7470A	1,7470A	NB
Nickel, Total	0.00077	J	mg/l	0.00200	0.00055	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Potassium, Total	2.09		mg/l	0.100	0.0309	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Sodium, Total	138.		mg/l	0.100	0.0293	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD
Zinc, Total	0.00398	J	mg/l	0.01000	0.00341	1	08/13/21 06:42	08/17/21 22:39	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21**SAMPLE RESULTS**

Lab ID: L2143009-02

Date Collected: 08/11/21 12:30

Client ID: MW-2A

Date Received: 08/11/21

Sample Location: WEST NYACK, NY

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	0.163		mg/l	0.0100	0.00327	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00036	J	mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Barium, Total	0.02067		mg/l	0.00050	0.00017	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00018	J	mg/l	0.00050	0.00010	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Calcium, Total	5.47		mg/l	0.100	0.0394	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Chromium, Total	0.00841		mg/l	0.00100	0.00017	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Cobalt, Total	0.06621		mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Copper, Total	0.00066	J	mg/l	0.00100	0.00038	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Magnesium, Total	1.40		mg/l	0.0700	0.0242	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Manganese, Total	0.04067		mg/l	0.00100	0.00044	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/13/21 09:35	08/13/21 14:47	EPA 7470A	1,7470A	NB
Nickel, Total	0.00542		mg/l	0.00200	0.00055	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Potassium, Total	0.575		mg/l	0.100	0.0309	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Sodium, Total	5.58		mg/l	0.100	0.0293	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD
Zinc, Total	0.00494	J	mg/l	0.01000	0.00341	1	08/13/21 06:42	08/17/21 22:44	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY FACILITY

Lab Number: L2143009

Project Number: 190273.2021

Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1534215-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/13/21 06:42	08/17/21 21:37	1,6020B	CD

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): 01-02 Batch: WG1534219-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/13/21 09:35	08/13/21 14:24	1,7470A	NB



Project Name: FORMER CHROMALLOY FACILITY

Lab Number: L2143009

Project Number: 190273.2021

Report Date: 08/25/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1534215-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	84		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	92		-		80-120	-		
Cadmium, Total	95		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	95		-		80-120	-		
Copper, Total	94		-		80-120	-		
Iron, Total	97		-		80-120	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	90		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1534215-2					
Zinc, Total	98	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1534219-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG1534215-3			QC Sample: L2143366-01			Client ID: MS Sample			
Aluminum, Total	3.99	2	5.97	99		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.4118	82		-	-		75-125	-		20
Arsenic, Total	0.0036	0.12	0.1169	94		-	-		75-125	-		20
Barium, Total	0.0712	2	1.960	94		-	-		75-125	-		20
Beryllium, Total	0.0002J	0.05	0.04714	94		-	-		75-125	-		20
Cadmium, Total	0.00016J	0.053	0.05095	96		-	-		75-125	-		20
Calcium, Total	62.2	10	68.8	66	Q	-	-		75-125	-		20
Chromium, Total	0.0058	0.2	0.1960	95		-	-		75-125	-		20
Cobalt, Total	0.0070	0.5	0.4685	92		-	-		75-125	-		20
Copper, Total	0.0091	0.25	0.2379	92		-	-		75-125	-		20
Iron, Total	7.93	1	8.20	27	Q	-	-		75-125	-		20
Lead, Total	0.00954	0.53	0.5128	95		-	-		75-125	-		20
Magnesium, Total	14.5	10	23.6	91		-	-		75-125	-		20
Manganese, Total	0.5145	0.5	0.9705	91		-	-		75-125	-		20
Nickel, Total	0.0081	0.5	0.4458	88		-	-		75-125	-		20
Potassium, Total	2.33	10	11.7	94		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.110	92		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04948	99		-	-		75-125	-		20
Sodium, Total	134.	10	135	10	Q	-	-		75-125	-		20
Thallium, Total	0.0001J	0.12	0.1218	102		-	-		75-125	-		20
Vanadium, Total	0.0061	0.5	0.4874	96		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG1534215-3		QC Sample: L2143366-01		Client ID: MS Sample		
Zinc, Total	0.0363	0.5	0.5120	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG1534219-3		QC Sample: L2143009-01		Client ID: MW-4A		
Mercury, Total	ND	0.005	0.00495	99	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY

Project Number: 190273.2021

Lab Number: L2143009

Report Date: 08/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1534215-4 QC Sample: L2143366-01 Client ID: DUP Sample						
Cadmium, Total	0.00016J	0.00016J	mg/l	NC		20
Iron, Total	7.93	7.81	mg/l	2		20
Lead, Total	0.00954	0.00941	mg/l	1		20
Manganese, Total	0.5145	0.5040	mg/l	2		20
Potassium, Total	2.33	2.27	mg/l	3		20
Sodium, Total	134.	132	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1534219-4 QC Sample: L2143009-01 Client ID: MW-4A						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: FORMER CHROMALLOY FACILITY**Project Number:** 190273.2021**Lab Number:** L2143009**Report Date:** 08/25/21**SAMPLE RESULTS****Lab ID:** L2143009-01**Client ID:** MW-4A**Sample Location:** WEST NYACK, NY**Date Collected:** 08/11/21 11:20**Date Received:** 08/11/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/13/21 11:00	08/13/21 16:09	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

SAMPLE RESULTS

Lab ID: L2143009-02
Client ID: MW-2A
Sample Location: WEST NYACK, NY

Date Collected: 08/11/21 12:30
Date Received: 08/11/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/13/21 11:00	08/13/21 16:10	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY FACILITY**Lab Number:** L2143009**Project Number:** 190273.2021**Report Date:** 08/25/21**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1534795-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/13/21 11:00	08/13/21 16:05	1,9010C/9012B	CR

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1534795-2 WG1534795-3								
Cyanide, Total	100		102		85-115	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1534795-4 WG1534795-5 QC Sample: L2143009-02 Client ID: MW-2A												
Cyanide, Total	ND	0.2	0.197	98		0.192	96		80-120	3		20

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Serial_No: 08252121:25
Lab Number: L2143009
Report Date: 08/25/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143009-01A	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-01B	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-01C	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-01D	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2143009-01E	Plastic 250ml NaOH preserved	A	>12	>12	4.8	Y	Absent		TCN-9010(14)
L2143009-01F	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-01G	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-01H	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-01I	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-01J	Amber 250ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143009-01K	Amber 250ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143009-01L	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		HERB-APA(7)
L2143009-01M	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		HERB-APA(7)
L2143009-02A	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-02B	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-02C	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Serial_No: 08252121:25
Lab Number: L2143009
Report Date: 08/25/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2143009-02D	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2143009-02E	Plastic 250ml NaOH preserved	A	>12	>12	4.8	Y	Absent		TCN-9010(14)
L2143009-02F	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-02G	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-02H	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-02I	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2143009-02J	Amber 250ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143009-02K	Amber 250ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2143009-02L	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		HERB-APA(7)
L2143009-02M	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		HERB-APA(7)
L2143009-03A	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2143009-03B	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: FORMER CHROMALLOY FACILITY
Project Number: 190273.2021

Lab Number: L2143009
Report Date: 08/25/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

[illegible]



ANALYTICAL REPORT

Lab Number:	L2141727
Client:	TRC Solutions 10 Maxwell Drive Suite 200 Clifton Park, NY 12065
ATTN:	Justin King
Phone:	(518) 688-3109
Project Name:	FORMER CHROMALLOY
Project Number:	190273.2021
Report Date:	08/18/21

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

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

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



Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2141727-01	MW-23A-D	WATER	WEST NYACK, NY	08/03/21 10:25	08/04/21
L2141727-02	MW-23A-S	WATER	WEST NYACK, NY	08/03/21 11:15	08/04/21
L2141727-03	DUP-1	WATER	WEST NYACK, NY	08/03/21 12:30	08/04/21
L2141727-04	MW-21A-S	WATER	WEST NYACK, NY	08/03/21 12:10	08/04/21
L2141727-05	MW-24A-D	WATER	WEST NYACK, NY	08/03/21 14:15	08/04/21
L2141727-06	WELL-35	WATER	WEST NYACK, NY	08/03/21 15:25	08/04/21
L2141727-07	MW-6A	WATER	WEST NYACK, NY	08/03/21 16:50	08/04/21
L2141727-08	MW-3A	WATER	WEST NYACK, NY	08/04/21 08:45	08/04/21
L2141727-09	MW-5A	WATER	WEST NYACK, NY	08/04/21 10:10	08/04/21
L2141727-10	DUP-2	WATER	WEST NYACK, NY	08/04/21 11:10	08/04/21
L2141727-11	MW-1A	WATER	WEST NYACK, NY	08/04/21 11:35	08/04/21
L2141727-12	EQUIP_BLANK	WATER	WEST NYACK, NY	08/04/21 14:30	08/04/21
L2141727-13	TRIP BLANK	WATER	WEST NYACK, NY	08/04/21 00:00	08/04/21
L2141727-14	MW-3B	WATER	WEST NYACK, NY	08/03/21 10:15	08/04/21
L2141727-15	MW-4B	WATER	WEST NYACK, NY	08/03/21 11:30	08/04/21
L2141727-16	MW-5B	WATER	WEST NYACK, NY	08/03/21 14:15	08/04/21
L2141727-17	MW-1B	WATER	WEST NYACK, NY	08/03/21 15:20	08/04/21
L2141727-18	MW-2B	WATER	WEST NYACK, NY	08/03/21 16:50	08/04/21
L2141727-19	MW-12B	WATER	WEST NYACK, NY	08/04/21 09:15	08/04/21
L2141727-20	WELL-36	WATER	WEST NYACK, NY	08/04/21 10:30	08/04/21
L2141727-21	WELL-25	WATER	WEST NYACK, NY	08/04/21 11:40	08/04/21
L2141727-22	MW-7B	WATER	WEST NYACK, NY	08/04/21 12:55	08/04/21
L2141727-23	MW-8B	WATER	WEST NYACK, NY	08/04/21 14:00	08/04/21

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Case Narrative

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

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

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

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

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

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

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Case Narrative (continued)

Report Submission

August 18, 2021: This final report includes the results of all requested analyses.

August 12, 2021: This is a preliminary report.

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

Total Metals

The WG1531952-3/-4 MS/MSD recoveries, performed on L2141727-09, are outside the acceptance criteria for antimony (66%/65%). A post digestion spike was performed and was within acceptance criteria.

The WG1531952-3/-4 MS/MSD recoveries for and sodium (0%/0%), performed on L2141727-09, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 08/18/21

ORGANICS

VOLATILES

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-01
Client ID: MW-23A-D
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:25
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 11:48
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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	0.21	J	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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-01
Client ID: MW-23A-D
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:25
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-02
Client ID: MW-23A-S
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 12:11
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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	5.5		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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-02
Client ID: MW-23A-S
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.2		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-03
Client ID: DUP-1
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 12:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 12:35
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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	0.20	J	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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-03
Client ID: DUP-1
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 12:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-04
Client ID: MW-21A-S
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 12:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 12:58
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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	0.35	J	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
Trichloroethene	15		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-04
Client ID: MW-21A-S
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 12:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.7		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-05
Client ID: MW-24A-D
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 13:21
Analyst: PD

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	1.6	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.56		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
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	0.18	J	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
Trichloroethene	2.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-05
Client ID: MW-24A-D
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-06
Client ID: WELL-35
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:25
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 13:44
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	6.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-06
Client ID: WELL-35
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:25
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-07
Client ID: MW-6A
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 16:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 14:08
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-07
Client ID: MW-6A
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 16:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	64		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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 14:31
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 09:26
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	0.34	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 14:54
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	0.34	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 15:17
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	1.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 15:41
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-13
Client ID: TRIP BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 00:00
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 16:04
Analyst: MKS

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-13
Client ID: TRIP BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 00:00
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 16:27
Analyst: MKS

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	0.45	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
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
Trichloroethene	80		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.4		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 09:47
Analyst: PD

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	0.30	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
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	0.10	J	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
Trichloroethene	39		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.72	J	ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 10:07
Analyst: PD

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	3.9		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
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
Trichloroethene	2.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17 D
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 10:27
Analyst: PD

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
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		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
Trichloroethene	8200		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17 D
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	310		ug/l	250	70.	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
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
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		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
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-18 D
Client ID: MW-2B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 16:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	4.9	J	ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	3500		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-18 D
Client ID: MW-2B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 16:50
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	17	J	ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-19 D2
Client ID: MW-12B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 09:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/07/21 16:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Vinyl chloride	430		ug/l	10	0.71	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	80		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-19 D
Client ID: MW-12B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 09:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 11:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	0.49	J	ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	420	E	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	1.1		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-19 D
Client ID: MW-12B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 09:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	270		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

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

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-20
Client ID: WELL-36
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 11:29
Analyst: PD

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	0.38	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
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	2.6		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
Trichloroethene	120		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-20
Client ID: WELL-36
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.1		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-21
Client ID: WELL-25
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:40
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 11:49
Analyst: PD

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	2.9		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
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	0.27	J	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
Trichloroethene	140		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-21
Client ID: WELL-25
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:40
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	18		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-22
Client ID: MW-7B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 12:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 12:10
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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	0.72		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	6.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-22
Client ID: MW-7B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 12:55
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.1		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-23
Client ID: MW-8B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:00
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/21 12:31
Analyst: PD

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	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
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
Trichloroethene	0.53		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-23
Client ID: MW-8B
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:00
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/06/21 08:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-14 Batch: WG1532321-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/06/21 08:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-14 Batch: WG1532321-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-14 Batch: WG1532321-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,15-23 Batch: WG1532417-5					
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
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,15-23 Batch: WG1532417-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/21 08:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,15-23 Batch: WG1532417-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/21 09:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1532995-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/21 09:36
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1532995-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/21 09:36
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG1532995-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 Batch: WG1532321-3 WG1532321-4								
Methylene chloride	86		86		70-130	0		20
1,1-Dichloroethane	87		89		70-130	2		20
Chloroform	93		94		70-130	1		20
Carbon tetrachloride	97		100		63-132	3		20
1,2-Dichloropropane	91		93		70-130	2		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	95		99		70-130	4		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	91		93		70-130	2		20
1,1,1-Trichloroethane	95		97		67-130	2		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	90		94		70-130	4		20
cis-1,3-Dichloropropene	92		94		70-130	2		20
Bromoform	96		100		54-136	4		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	89		91		70-130	2		20
Toluene	93		97		70-130	4		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	67		68		64-130	1		20
Bromomethane	86		82		39-139	5		20
Vinyl chloride	79		80		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 Batch: WG1532321-3 WG1532321-4								
Chloroethane	95		97		55-138	2		20
1,1-Dichloroethene	88		90		61-145	2		20
trans-1,2-Dichloroethene	88		90		70-130	2		20
Trichloroethene	85		88		70-130	3		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	76		81		63-130	6		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	91		92		70-130	1		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	72		73		36-147	1		20
Acetone	74		81		58-148	9		20
Carbon disulfide	81		81		51-130	0		20
2-Butanone	79		81		63-138	3		20
4-Methyl-2-pentanone	86		93		59-130	8		20
2-Hexanone	86		94		57-130	9		20
Bromochloromethane	97		98		70-130	1		20
1,2-Dibromoethane	96		100		70-130	4		20
1,2-Dibromo-3-chloropropane	98		100		41-144	2		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 Batch: WG1532321-3 WG1532321-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	62	Q	70		70-130	12		20
Cyclohexane	87		89		70-130	2		20
1,4-Dioxane	124		120		56-162	3		20
Freon-113	94		96		70-130	2		20
Methyl cyclohexane	90		93		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 Batch: WG1532417-3 WG1532417-4								
Methylene chloride	98		98		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	92		89		63-130	3		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	97		94		70-130	3		20
Bromoform	88		84		54-136	5		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	120		120		70-130	0		20
Chloromethane	100		90		64-130	11		20
Bromomethane	98		88		39-139	11		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 Batch: WG1532417-3 WG1532417-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	96		97		61-145	1		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	99		96		70-130	3		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	94		98		63-130	4		20
p/m-Xylene	115		110		70-130	4		20
o-Xylene	120		115		70-130	4		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	120		120		70-130	0		20
Dichlorodifluoromethane	100		93		36-147	7		20
Acetone	69		78		58-148	12		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	88		84		63-138	5		20
4-Methyl-2-pentanone	90		90		59-130	0		20
2-Hexanone	95		90		57-130	5		20
Bromochloromethane	94		96		70-130	2		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	86		84		41-144	2		20
Isopropylbenzene	120		120		70-130	0		20
1,2,3-Trichlorobenzene	100		95		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 Batch: WG1532417-3 WG1532417-4								
1,2,4-Trichlorobenzene	100		96		70-130	4		20
Methyl Acetate	95		91		70-130	4		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	114		102		56-162	11		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1532995-3 WG1532995-4								
Methylene chloride	92		90		70-130	2		20
1,1-Dichloroethane	94		90		70-130	4		20
Chloroform	93		100		70-130	7		20
Carbon tetrachloride	92		97		63-132	5		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	88		88		63-130	0		20
1,1,2-Trichloroethane	95		96		70-130	1		20
Tetrachloroethene	94		78		70-130	19		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	93		96		70-130	3		20
1,1,1-Trichloroethane	92		97		67-130	5		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	94		80		70-130	16		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
Bromoform	73		79		54-136	8		20
1,1,2,2-Tetrachloroethane	86		93		67-130	8		20
Benzene	91		95		70-130	4		20
Toluene	96		82		70-130	16		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	88		76		64-130	15		20
Bromomethane	71		62		39-139	14		20
Vinyl chloride	110		86		55-140	24	Q	20

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1532995-3 WG1532995-4								
Chloroethane	93		92		55-138	1		20
1,1-Dichloroethene	100		89		61-145	12		20
trans-1,2-Dichloroethene	99		89		70-130	11		20
Trichloroethene	88		89		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		86		63-130	5		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	110		115		70-130	4		20
cis-1,2-Dichloroethene	89		94		70-130	5		20
Styrene	115		120		70-130	4		20
Dichlorodifluoromethane	100		78		36-147	25	Q	20
Acetone	64		70		58-148	9		20
Carbon disulfide	97		87		51-130	11		20
2-Butanone	76		83		63-138	9		20
4-Methyl-2-pentanone	84		73		59-130	14		20
2-Hexanone	89		82		57-130	8		20
Bromochloromethane	89		89		70-130	0		20
1,2-Dibromoethane	92		97		70-130	5		20
1,2-Dibromo-3-chloropropane	84		84		41-144	0		20
Isopropylbenzene	100		120		70-130	18		20
1,2,3-Trichlorobenzene	100		91		70-130	9		20

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG1532995-3 WG1532995-4								
1,2,4-Trichlorobenzene	100		97		70-130	3		20
Methyl Acetate	91		87		70-130	4		20
Cyclohexane	91		92		70-130	1		20
1,4-Dioxane	104		92		56-162	12		20
Freon-113	110		91		70-130	19		20
Methyl cyclohexane	92		89		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	100		83		70-130
4-Bromofluorobenzene	88		100		70-130
Dibromofluoromethane	102		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 QC Batch ID: WG1532321-6 WG1532321-7 QC Sample: L2141727-01 Client ID: MW-23A-D												
Methylene chloride	ND	10	8.7	87		9.0	90		70-130	3		20
1,1-Dichloroethane	ND	10	9.3	93		9.7	97		70-130	4		20
Chloroform	ND	10	9.4	94		9.9	99		70-130	5		20
Carbon tetrachloride	ND	10	9.5	95		10	100		63-132	5		20
1,2-Dichloropropane	ND	10	9.6	96		10	100		70-130	4		20
Dibromochloromethane	ND	10	10	100		11	110		63-130	10		20
1,1,2-Trichloroethane	ND	10	11	110		12	120		70-130	9		20
Tetrachloroethene	ND	10	9.5	95		10	100		70-130	5		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	9.9	99		10	100		62-150	1		20
1,2-Dichloroethane	ND	10	9.8	98		10	100		70-130	2		20
1,1,1-Trichloroethane	ND	10	9.4	94		10	100		67-130	6		20
Bromodichloromethane	ND	10	10	100		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.1	91		10	100		70-130	9		20
cis-1,3-Dichloropropene	ND	10	9.0	90		9.8	98		70-130	9		20
Bromoform	ND	10	10	100		11	110		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		13	130		67-130	8		20
Benzene	ND	10	9.1	91		9.7	97		70-130	6		20
Toluene	ND	10	9.3	93		10	100		70-130	7		20
Ethylbenzene	ND	10	10	100		11	110		70-130	10		20
Chloromethane	ND	10	7.2	72		7.5	75		64-130	4		20
Bromomethane	ND	10	5.8	58		6.3	63		39-139	8		20
Vinyl chloride	0.21J	10	8.7	87		9.0	90		55-140	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 QC Batch ID: WG1532321-6 WG1532321-7 QC Sample: L2141727-01 Client ID: MW-23A-D												
Chloroethane	ND	10	9.4	94		9.1	91		55-138	3		20
1,1-Dichloroethene	ND	10	8.9	89		9.4	94		61-145	5		20
trans-1,2-Dichloroethene	ND	10	9.2	92		9.5	95		70-130	3		20
Trichloroethene	ND	10	8.7	87		9.3	93		70-130	7		20
1,2-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
Methyl tert butyl ether	ND	10	9.0	90		9.6	96		63-130	6		20
p/m-Xylene	ND	20	20	100		22	110		70-130	10		20
o-Xylene	ND	20	20	100		22	110		70-130	10		20
cis-1,2-Dichloroethene	ND	10	9.6	96		10	100		70-130	4		20
Styrene	ND	20	21	105		23	115		70-130	9		20
Dichlorodifluoromethane	ND	10	7.0	70		7.4	74		36-147	6		20
Acetone	ND	10	10	100		11	110		58-148	10		20
Carbon disulfide	ND	10	8.5	85		8.8	88		51-130	3		20
2-Butanone	ND	10	9.7	97		10	100		63-138	3		20
4-Methyl-2-pentanone	ND	10	11	110		12	120		59-130	9		20
2-Hexanone	ND	10	12	120		14	140	Q	57-130	15		20
Bromochloromethane	ND	10	9.9	99		10	100		70-130	1		20
1,2-Dibromoethane	ND	10	10	100		11	110		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	12	120		12	120		41-144	0		20
Isopropylbenzene	ND	10	10	100		11	110		70-130	10		20
1,2,3-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-14 QC Batch ID: WG1532321-6 WG1532321-7 QC Sample: L2141727-01 Client ID: MW-23A-D												
1,2,4-Trichlorobenzene	ND	10	10	100		12	120		70-130	18		20
Methyl Acetate	ND	10	8.4	84		9.0	90		70-130	7		20
Cyclohexane	ND	10	8.9J	89		9.5J	95		70-130	7		20
1,4-Dioxane	ND	500	780	156		840	168	Q	56-162	7		20
Freon-113	ND	10	9.4	94		9.7	97		70-130	3		20
Methyl cyclohexane	ND	10	8.7J	87		9.2J	92		70-130	6		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	101		99		70-130
Toluene-d8	96		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 QC Batch ID: WG1532417-6 WG1532417-7 QC Sample: L2141727-09 Client ID: MW-5A												
Methylene chloride	ND	10	10	100		9.4	94		70-130	6		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	12	120		11	110		70-130	9		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	12	120		12	120		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	8.1	81		8.7	87		54-136	7		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		11	110		67-130	10		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	12	120		13	130		70-130	8		20
Chloromethane	ND	10	8.7	87		8.8	88		64-130	1		20
Bromomethane	ND	10	4.5	45		5.5	55		39-139	20		20
Vinyl chloride	ND	10	10	100		11	110		55-140	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 QC Batch ID: WG1532417-6 WG1532417-7 QC Sample: L2141727-09 Client ID: MW-5A												
Chloroethane	ND	10	10	100		10	100		55-138	0		20
1,1-Dichloroethene	ND	10	9.0	90		9.6	96		61-145	6		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	0.34J	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,3-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	11	110		11	110		63-130	0		20
p/m-Xylene	ND	20	24	120		24	120		70-130	0		20
o-Xylene	ND	20	24	120		25	125		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	25	125		25	125		70-130	0		20
Dichlorodifluoromethane	ND	10	9.5	95		10	100		36-147	5		20
Acetone	ND	10	11	110		9.6	96		58-148	14		20
Carbon disulfide	ND	10	9.2	92		9.2	92		51-130	0		20
2-Butanone	ND	10	11	110		11	110		63-138	0		20
4-Methyl-2-pentanone	ND	10	12	120		12	120		59-130	0		20
2-Hexanone	ND	10	12	120		12	120		57-130	0		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromoethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		12	120		41-144	9		20
Isopropylbenzene	ND	10	11	110		12	120		70-130	9		20
1,2,3-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,15-23 QC Batch ID: WG1532417-6 WG1532417-7 QC Sample: L2141727-09 Client ID: MW-5A												
1,2,4-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20
Methyl Acetate	ND	10	11	110		11	110		70-130	0		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	ND	500	760	152		760	152		56-162	0		20
Freon-113	ND	10	9.5	95		9.6	96		70-130	1		20
Methyl cyclohexane	ND	10	11	110		11	110		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
4-Bromofluorobenzene	86		92		70-130
Dibromofluoromethane	102		99		70-130
Toluene-d8	100		100		70-130

SEMIVOLATILES

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/21 13:16
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	78		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 11:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.10		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	3.0		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.13		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.10	J	ug/l	0.10	0.01	1
Fluorene	0.06	J	ug/l	0.10	0.01	1
Phenanthrene	0.09	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.09	J	ug/l	0.10	0.01	1
Pyrene	0.10		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.74		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	73		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/10/21 13:43
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	81		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 11:20
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.10		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	81		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/10/21 15:27
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	83		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 11:39
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.18		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	72		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/10/21 15:53
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	99		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 11:59
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.23		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	3.6		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.13		ug/l	0.10	0.01	1
Phenanthrene	0.25		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	1.1		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	96		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/10/21 16:19
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	80		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 12:19
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.02	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	78		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/08/21 01:02
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/07/21 07:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	84		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/08/21 15:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/07/21 07:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.37		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.29		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.23		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.25		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.35		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.12		ug/l	0.10	0.01	1
Chrysene	0.23		ug/l	0.10	0.01	1
Acenaphthylene	0.07	J	ug/l	0.10	0.01	1
Anthracene	0.07	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.26		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.21		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.25		ug/l	0.10	0.01	1
Pyrene	0.35		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.15		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	88		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/21 13:24
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	1.1	J	ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	76		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/08/21 15:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	71		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/21 13:48
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	76		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/08/21 16:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	81		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/09/21 14:11
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	84		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/08/21 16:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	89		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/07/21 19:30
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/07/21 01:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14-17 Batch: WG1532510-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/07/21 19:30
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/07/21 01:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14-17 Batch: WG1532510-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	75		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/07/21 13:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/07/21 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 14-17 Batch: WG1532511-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 08/07/21 13:46
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 08/07/21 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 14-17 Batch: WG1532511-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	88		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/10/21 09:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1532927-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/10/21 09:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1532927-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	75		41-149

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 10:01
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-12 Batch: WG1532932-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/10/21 10:01
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 10:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08-12 Batch: WG1532932-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	70		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-17 Batch: WG1532510-2 WG1532510-3								
Bis(2-chloroethyl)ether	61		57		40-140	7		30
3,3'-Dichlorobenzidine	30	Q	28	Q	40-140	7		30
2,4-Dinitrotoluene	71		76		48-143	7		30
2,6-Dinitrotoluene	66		67		40-140	2		30
4-Chlorophenyl phenyl ether	62		63		40-140	2		30
4-Bromophenyl phenyl ether	65		69		40-140	6		30
Bis(2-chloroisopropyl)ether	56		54		40-140	4		30
Bis(2-chloroethoxy)methane	63		65		40-140	3		30
Hexachlorocyclopentadiene	62		57		40-140	8		30
Isophorone	57		56		40-140	2		30
Nitrobenzene	78		72		40-140	8		30
NDPA/DPA	60		62		40-140	3		30
n-Nitrosodi-n-propylamine	65		63		29-132	3		30
Bis(2-ethylhexyl)phthalate	72		75		40-140	4		30
Butyl benzyl phthalate	70		70		40-140	0		30
Di-n-butylphthalate	64		66		40-140	3		30
Di-n-octylphthalate	71		72		40-140	1		30
Diethyl phthalate	66		72		40-140	9		30
Dimethyl phthalate	60		63		40-140	5		30
Biphenyl	58		55		40-140	5		30
4-Chloroaniline	35	Q	42		40-140	18		30
2-Nitroaniline	68		69		52-143	1		30
3-Nitroaniline	39		57		25-145	38	Q	30

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-17 Batch: WG1532510-2 WG1532510-3								
4-Nitroaniline	61		65		51-143	6		30
Dibenzofuran	62		64		40-140	3		30
1,2,4,5-Tetrachlorobenzene	61		56		2-134	9		30
Acetophenone	60		57		39-129	5		30
2,4,6-Trichlorophenol	63		61		30-130	3		30
p-Chloro-m-cresol	65		65		23-97	0		30
2-Chlorophenol	64		61		27-123	5		30
2,4-Dichlorophenol	66		64		30-130	3		30
2,4-Dimethylphenol	50		38		30-130	27		30
2-Nitrophenol	79		74		30-130	7		30
4-Nitrophenol	73		76		10-80	4		30
2,4-Dinitrophenol	88		82		20-130	7		30
4,6-Dinitro-o-cresol	86		88		20-164	2		30
Phenol	51		48		12-110	6		30
2-Methylphenol	61		56		30-130	9		30
3-Methylphenol/4-Methylphenol	63		60		30-130	5		30
2,4,5-Trichlorophenol	65		64		30-130	2		30
Carbazole	63		65		55-144	3		30
Atrazine	87		91		40-140	4		30
Benzaldehyde	57		54		40-140	5		30
Caprolactam	34		32		10-130	6		30
2,3,4,6-Tetrachlorophenol	68		68		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-17 Batch: WG1532510-2 WG1532510-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		62		21-120
Phenol-d6	59		55		10-120
Nitrobenzene-d5	78		77		23-120
2-Fluorobiphenyl	62		59		15-120
2,4,6-Tribromophenol	79		81		10-120
4-Terphenyl-d14	69		71		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 14-17 Batch: WG1532511-2 WG1532511-3								
Acenaphthene	85		86		40-140	1		40
2-Chloronaphthalene	86		95		40-140	10		40
Fluoranthene	91		93		40-140	2		40
Hexachlorobutadiene	81		83		40-140	2		40
Naphthalene	82		83		40-140	1		40
Benzo(a)anthracene	81		80		40-140	1		40
Benzo(a)pyrene	96		95		40-140	1		40
Benzo(b)fluoranthene	87		90		40-140	3		40
Benzo(k)fluoranthene	110		98		40-140	12		40
Chrysene	91		92		40-140	1		40
Acenaphthylene	86		88		40-140	2		40
Anthracene	88		90		40-140	2		40
Benzo(ghi)perylene	78		78		40-140	0		40
Fluorene	88		90		40-140	2		40
Phenanthrene	83		84		40-140	1		40
Dibenzo(a,h)anthracene	89		87		40-140	2		40
Indeno(1,2,3-cd)pyrene	81		78		40-140	4		40
Pyrene	89		90		40-140	1		40
2-Methylnaphthalene	87		88		40-140	1		40
Pentachlorophenol	101		109		40-140	8		40
Hexachlorobenzene	85		85		40-140	0		40
Hexachloroethane	94		98		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 14-17 Batch: WG1532511-2 WG1532511-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		80		21-120
Phenol-d6	68		70		10-120
Nitrobenzene-d5	110		114		23-120
2-Fluorobiphenyl	93		92		15-120
2,4,6-Tribromophenol	114		123	Q	10-120
4-Terphenyl-d14	102		103		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1532927-2 WG1532927-3								
Bis(2-chloroethyl)ether	73		53		40-140	32	Q	30
3,3'-Dichlorobenzidine	48		48		40-140	0		30
2,4-Dinitrotoluene	55		58		48-143	5		30
2,6-Dinitrotoluene	63		54		40-140	15		30
4-Chlorophenyl phenyl ether	56		54		40-140	4		30
4-Bromophenyl phenyl ether	55		50		40-140	10		30
Bis(2-chloroisopropyl)ether	74		54		40-140	31	Q	30
Bis(2-chloroethoxy)methane	73		56		40-140	26		30
Hexachlorocyclopentadiene	30	Q	25	Q	40-140	18		30
Isophorone	73		56		40-140	26		30
Nitrobenzene	71		54		40-140	27		30
NDPA/DPA	60		55		40-140	9		30
n-Nitrosodi-n-propylamine	76		57		29-132	29		30
Bis(2-ethylhexyl)phthalate	62		65		40-140	5		30
Butyl benzyl phthalate	59		61		40-140	3		30
Di-n-butylphthalate	60		62		40-140	3		30
Di-n-octylphthalate	65		64		40-140	2		30
Diethyl phthalate	58		60		40-140	3		30
Dimethyl phthalate	63		57		40-140	10		30
Biphenyl	64		55		40-140	15		30
4-Chloroaniline	53		37	Q	40-140	36	Q	30
2-Nitroaniline	64		53		52-143	19		30
3-Nitroaniline	57		51		25-145	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1532927-2 WG1532927-3								
4-Nitroaniline	57		55		51-143	4		30
Dibenzofuran	60		55		40-140	9		30
1,2,4,5-Tetrachlorobenzene	63		51		2-134	21		30
Acetophenone	74		58		39-129	24		30
2,4,6-Trichlorophenol	66		58		30-130	13		30
p-Chloro-m-cresol	76		60		23-97	24		30
2-Chlorophenol	77		56		27-123	32	Q	30
2,4-Dichlorophenol	78		60		30-130	26		30
2,4-Dimethylphenol	55		41		30-130	29		30
2-Nitrophenol	72		50		30-130	36	Q	30
4-Nitrophenol	59		53		10-80	11		30
2,4-Dinitrophenol	50		52		20-130	4		30
4,6-Dinitro-o-cresol	52		49		20-164	6		30
Phenol	56		48		12-110	15		30
2-Methylphenol	71		56		30-130	24		30
3-Methylphenol/4-Methylphenol	79		59		30-130	29		30
2,4,5-Trichlorophenol	70		58		30-130	19		30
Carbazole	66		67		55-144	2		30
Atrazine	70		70		40-140	0		30
Benzaldehyde	68		58		40-140	16		30
Caprolactam	38		30		10-130	24		30
2,3,4,6-Tetrachlorophenol	64		61		40-140	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1532927-2 WG1532927-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		56		21-120
Phenol-d6	64		49		10-120
Nitrobenzene-d5	79		63		23-120
2-Fluorobiphenyl	71		59		15-120
2,4,6-Tribromophenol	65		63		10-120
4-Terphenyl-d14	71		70		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-12 Batch: WG1532932-2 WG1532932-3								
Acenaphthene	64		64		40-140	0		40
2-Chloronaphthalene	62		63		40-140	2		40
Fluoranthene	63		61		40-140	3		40
Hexachlorobutadiene	57		58		40-140	2		40
Naphthalene	60		62		40-140	3		40
Benzo(a)anthracene	67		64		40-140	5		40
Benzo(a)pyrene	63		61		40-140	3		40
Benzo(b)fluoranthene	65		65		40-140	0		40
Benzo(k)fluoranthene	75		71		40-140	5		40
Chrysene	68		68		40-140	0		40
Acenaphthylene	60		60		40-140	0		40
Anthracene	65		63		40-140	3		40
Benzo(ghi)perylene	66		63		40-140	5		40
Fluorene	64		64		40-140	0		40
Phenanthrene	63		62		40-140	2		40
Dibenzo(a,h)anthracene	66		62		40-140	6		40
Indeno(1,2,3-cd)pyrene	62		60		40-140	3		40
Pyrene	64		62		40-140	3		40
2-Methylnaphthalene	60		61		40-140	2		40
Pentachlorophenol	72		74		40-140	3		40
Hexachlorobenzene	60		70		40-140	15		40
Hexachloroethane	58		59		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-12 Batch: WG1532932-2 WG1532932-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		41		21-120
Phenol-d6	43		33		10-120
Nitrobenzene-d5	79		80		23-120
2-Fluorobiphenyl	68		68		15-120
2,4,6-Tribromophenol	79		73		10-120
4-Terphenyl-d14	67		64		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1532927-4 WG1532927-5 QC Sample: L2141727-09 Client ID: MW-5A												
Bis(2-chloroethyl)ether	ND	18.2	12	66		11	61		40-140	9		30
3,3'-Dichlorobenzidine	ND	18.2	8.4	46		7.0	39	Q	40-140	18		30
2,4-Dinitrotoluene	ND	18.2	10	55		10	55		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	10	55		9.5	52		40-140	5		30
4-Chlorophenyl phenyl ether	ND	18.2	10	55		9.9	54		40-140	1		30
4-Bromophenyl phenyl ether	ND	18.2	10	55		11	61		40-140	10		30
Bis(2-chloroisopropyl)ether	ND	18.2	12	66		11	61		40-140	9		30
Bis(2-chloroethoxy)methane	ND	18.2	12	66		10	55		40-140	18		30
Hexachlorocyclopentadiene	ND	18.2	4.8J	26	Q	8.4J	46		40-140	55	Q	30
Isophorone	ND	18.2	11	61		10	55		40-140	10		30
Nitrobenzene	ND	18.2	12	66		11	61		40-140	9		30
NDPA/DPA	ND	18.2	11	61		10	55		40-140	10		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		11	61		29-132	9		30
Bis(2-ethylhexyl)phthalate	ND	18.2	14	77		12	66		40-140	15		30
Butyl benzyl phthalate	ND	18.2	12	66		12	66		40-140	0		30
Di-n-butylphthalate	ND	18.2	12	66		11	61		40-140	9		30
Di-n-octylphthalate	ND	18.2	14	77		13	72		40-140	7		30
Diethyl phthalate	ND	18.2	11	61		11	61		40-140	0		30
Dimethyl phthalate	ND	18.2	11	61		9.7	53		40-140	13		30
Biphenyl	ND	18.2	10	55		11	61		40-140	10		30
4-Chloroaniline	ND	18.2	8.6	47		7.2	40		40-140	18		30
2-Nitroaniline	ND	18.2	11	61		10	55		52-143	10		30
3-Nitroaniline	ND	18.2	8.8	48		8.6	47		25-145	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1532927-4 WG1532927-5 QC Sample: L2141727-09 Client ID: MW-5A												
4-Nitroaniline	ND	18.2	11	61		9.3	51		51-143	17		30
Dibenzofuran	ND	18.2	11	61		11	61		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	10	55		10	55		2-134	0		30
Acetophenone	ND	18.2	12	66		11	61		39-129	9		30
2,4,6-Trichlorophenol	ND	18.2	10	55		9.8	54		30-130	2		30
p-Chloro-m-cresol	ND	18.2	12	66		10	55		23-97	18		30
2-Chlorophenol	ND	18.2	12	66		11	61		27-123	9		30
2,4-Dichlorophenol	ND	18.2	12	66		11	61		30-130	9		30
2,4-Dimethylphenol	ND	18.2	6.5	36		4.6J	25	Q	30-130	34	Q	30
2-Nitrophenol	ND	18.2	10	55		10	55		30-130	0		30
4-Nitrophenol	ND	18.2	11	61		11	61		10-80	0		30
2,4-Dinitrophenol	ND	18.2	10.J	55		10.J	55		20-130	0		30
4,6-Dinitro-o-cresol	ND	18.2	9.6J	53		9.0J	50		20-164	6		30
Phenol	ND	18.2	9.8	54		9.8	54		12-110	0		30
2-Methylphenol	ND	18.2	11	61		9.7	53		30-130	13		30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		11	61		30-130	9		30
2,4,5-Trichlorophenol	ND	18.2	12	66		10	55		30-130	18		30
Carbazole	ND	18.2	12	66		12	66		55-144	0		30
Atrazine	ND	18.2	14	77		12	66		40-140	15		30
Benzaldehyde	ND	18.2	11	61		11	61		40-140	0		30
Caprolactam	ND	18.2	7.1J	39		5.6J	31		10-130	24		30
2,3,4,6-Tetrachlorophenol	ND	18.2	12	66		10	55		40-140	18		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1532927-4 WG1532927-5 QC Sample: L2141727-09 Client ID: MW-5A												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	67		57		10-120
2-Fluorobiphenyl	67		58		15-120
2-Fluorophenol	64		64		21-120
4-Terphenyl-d14	73		69		41-149
Nitrobenzene-d5	70		68		23-120
Phenol-d6	61		57		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1532932-4 WG1532932-5 QC Sample: L2141727-09 Client ID: MW-5A												
Acenaphthene	ND	18.2	9.2	51		12	66		40-140	26		40
2-Chloronaphthalene	ND	18.2	8.8	48		12	66		40-140	31		40
Fluoranthene	ND	18.2	10	55		12	66		40-140	18		40
Hexachlorobutadiene	ND	18.2	7.5	41		11	61		40-140	38		40
Naphthalene	ND	18.2	8.6	47		12	66		40-140	33		40
Benzo(a)anthracene	ND	18.2	11	61		13	72		40-140	17		40
Benzo(a)pyrene	0.06J	18.2	10	55		14	77		40-140	33		40
Benzo(b)fluoranthene	0.07J	18.2	11	61		13	72		40-140	17		40
Benzo(k)fluoranthene	0.03J	18.2	12	66		14	77		40-140	15		40
Chrysene	ND	18.2	10	55		13	72		40-140	26		40
Acenaphthylene	0.10	18.2	9.7	53		12	66		40-140	21		40
Anthracene	0.02J	18.2	10	55		13	72		40-140	26		40
Benzo(ghi)perylene	0.08J	18.2	12	66		14	77		40-140	15		40
Fluorene	ND	18.2	9.7	53		12	66		40-140	21		40
Phenanthrene	ND	18.2	9.7	53		12	66		40-140	21		40
Dibenzo(a,h)anthracene	ND	18.2	12	66		15	83		40-140	22		40
Indeno(1,2,3-cd)pyrene	0.07J	18.2	12	66		14	77		40-140	15		40
Pyrene	ND	18.2	10	55		12	66		40-140	18		40
2-Methylnaphthalene	ND	18.2	8.7	48		12	66		40-140	32		40
Pentachlorophenol	ND	18.2	13	72		16	88		40-140	21		40
Hexachlorobenzene	ND	18.2	8.7	48		12	66		40-140	32		40
Hexachloroethane	ND	18.2	8.0	44		12	66		40-140	40		40

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1532932-4 WG1532932-5 QC Sample: L2141727-09
Client ID: MW-5A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79		92		10-120
2-Fluorobiphenyl	58		68		15-120
2-Fluorophenol	49		62		21-120
4-Terphenyl-d14	62		72		41-149
Nitrobenzene-d5	74		86		23-120
Phenol-d6	44		56		10-120

PCBS

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 14:57
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	88		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 14:26
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	60		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 15:05
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	76		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 15:13
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	0.238		ug/l	0.071	0.061	1	B
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	0.238		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 15:20
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	71		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 15:28
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	68		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/10/21 15:36
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 08/09/21 01:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/09/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/21

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	0.114		ug/l	0.071	0.061	1	B
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	0.114		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/11/21 10:24
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 01:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/21

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	82		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/11/21 10:32
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 01:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/21

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	70		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/11/21 10:00
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 01:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16-17 Batch: WG1532694-1						
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	79		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 08/10/21 14:03
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 08/09/21 01:24
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/09/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08-12,14-15 Batch: WG1532801-1						
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	72		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16-17 Batch: WG1532694-2 WG1532694-3									
Aroclor 1016	73		82		40-140	12		50	A
Aroclor 1260	61		69		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		96		30-150	A
Decachlorobiphenyl	50		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		85		30-150	B
Decachlorobiphenyl	46		56		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-12,14-15 Batch: WG1532801-2 WG1532801-3									
Aroclor 1016	67		64		40-140	3		50	A
Aroclor 1260	66		66		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		76		30-150	A
Decachlorobiphenyl	75		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		78		30-150	B
Decachlorobiphenyl	83		78		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-12,14-15 QC Batch ID: WG1532801-4 WG1532801-5 QC Sample: L2141727-09 Client ID: MW-5A													
Aroclor 1016	ND	1.78	1.09	61		1.15	64		40-140	5		50	A
Aroclor 1260	ND	1.78	1.13	63		1.13	63		40-140	0		50	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		79		30-150	B
Decachlorobiphenyl	79		78		30-150	B

PESTICIDES

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:04
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:30
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-08
Client ID: MW-3A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 08:45
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/09/21 15:40
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	86		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 14:31
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:30
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-09
Client ID: MW-5A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 10:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/09/21 14:09
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	69		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:15
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:33
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-10
Client ID: DUP-2
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:10
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/09/21 15:58
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	71		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:26
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:33
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-11
Client ID: MW-1A
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 11:35
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/09/21 16:16
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	77		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:37
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:33
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-12
Client ID: EQUIP_BLANK
Sample Location: WEST NYACK, NY

Date Collected: 08/04/21 14:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/09/21 16:34
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	61		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/08/21 16:48
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 01:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-14
Client ID: MW-3B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 10:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/10/21 15:38
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	77		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/08/21 14:07
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/06/21 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-15
Client ID: MW-4B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 11:30
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/10/21 15:56
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	62		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:48
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:33
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-16
Client ID: MW-5B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 14:15
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/10/21 16:14
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	68		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/09/21 15:58
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:30
Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

SAMPLE RESULTS

Lab ID: L2141727-17
Client ID: MW-1B
Sample Location: WEST NYACK, NY

Date Collected: 08/03/21 15:20
Date Received: 08/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/10/21 16:32
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:50

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	72		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/06/21 17:56
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 08/05/21 13:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15 Batch: WG1531969-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/06/21 17:56
 Analyst: SDC

Extraction Method: EPA 3510C
 Extraction Date: 08/05/21 13:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15 Batch: WG1531969-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/09/21 13:14
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/07/21 23:08

Methylation Date: 08/08/21 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08-12,14-17 Batch: WG1532686-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	A
DCAA	70		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/08/21 16:15
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 01:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 14 Batch: WG1532693-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/08/21 16:15
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 08/08/21 01:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 14 Batch: WG1532693-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/09/21 13:58
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/08/21 13:30

Cleanup Method: EPA 3660B
Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-12,16-17 Batch: WG1532745-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/09/21 13:58
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 08/08/21 13:30

Cleanup Method: EPA 3660B
 Cleanup Date: 08/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-12,16-17 Batch: WG1532745-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15 Batch: WG1531969-2 WG1531969-3									
Delta-BHC	82		80		30-150	3		20	A
Lindane	80		78		30-150	2		20	A
Alpha-BHC	75		71		30-150	5		20	A
Beta-BHC	76		75		30-150	2		20	A
Heptachlor	72		66		30-150	8		20	A
Aldrin	68		60		30-150	12		20	A
Heptachlor epoxide	68		64		30-150	6		20	A
Endrin	72		66		30-150	9		20	A
Endrin aldehyde	70		65		30-150	7		20	A
Endrin ketone	82		76		30-150	7		20	A
Dieldrin	75		69		30-150	7		20	A
4,4'-DDE	72		68		30-150	6		20	A
4,4'-DDD	90		82		30-150	9		20	A
4,4'-DDT	80		76		30-150	5		20	A
Endosulfan I	69		64		30-150	7		20	A
Endosulfan II	78		70		30-150	11		20	A
Endosulfan sulfate	75		70		30-150	7		20	A
Methoxychlor	80		77		30-150	3		20	A
cis-Chlordane	77		66		30-150	15		20	A
trans-Chlordane	76		68		30-150	12		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15 Batch: WG1531969-2 WG1531969-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		69		30-150	A
Decachlorobiphenyl	71		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		73		30-150	B
Decachlorobiphenyl	87		81		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08-12,14-17 Batch: WG1532686-2 WG1532686-3									
2,4-D	67		81		30-150	19		25	A
2,4,5-T	69		75		30-150	8		25	A
2,4,5-TP (Silvex)	71		77		30-150	8		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	68		83		30-150	A
DCAA	62		77		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 14 Batch: WG1532693-2 WG1532693-3									
Delta-BHC	69		59		30-150	15		20	A
Lindane	66		61		30-150	8		20	A
Alpha-BHC	66		63		30-150	4		20	A
Beta-BHC	59		64		30-150	9		20	A
Heptachlor	60		57		30-150	5		20	A
Aldrin	59		55		30-150	5		20	A
Heptachlor epoxide	57		55		30-150	4		20	A
Endrin	60		55		30-150	8		20	A
Endrin aldehyde	50		48		30-150	4		20	A
Endrin ketone	61		57		30-150	6		20	A
Dieldrin	61		57		30-150	7		20	A
4,4'-DDE	60		55		30-150	7		20	A
4,4'-DDD	69		63		30-150	9		20	A
4,4'-DDT	68		61		30-150	11		20	A
Endosulfan I	56		53		30-150	6		20	A
Endosulfan II	63		57		30-150	9		20	A
Endosulfan sulfate	61		56		30-150	9		20	A
Methoxychlor	66		61		30-150	7		20	A
cis-Chlordane	65		61		30-150	7		20	A
trans-Chlordane	60		59		30-150	1		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 14 Batch: WG1532693-2 WG1532693-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		63		30-150	A
Decachlorobiphenyl	56		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		62		30-150	B
Decachlorobiphenyl	70		60		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-12,16-17 Batch: WG1532745-2 WG1532745-3									
Delta-BHC	68		70		30-150	2		20	A
Lindane	69		70		30-150	1		20	A
Alpha-BHC	71		71		30-150	1		20	A
Beta-BHC	65		66		30-150	2		20	A
Heptachlor	59		61		30-150	5		20	A
Aldrin	54		58		30-150	7		20	A
Heptachlor epoxide	62		62		30-150	0		20	A
Endrin	63		64		30-150	1		20	A
Endrin aldehyde	58		63		30-150	9		20	A
Endrin ketone	66		68		30-150	3		20	A
Dieldrin	65		67		30-150	2		20	A
4,4'-DDE	63		66		30-150	4		20	A
4,4'-DDD	73		73		30-150	1		20	A
4,4'-DDT	69		74		30-150	7		20	A
Endosulfan I	59		62		30-150	4		20	A
Endosulfan II	66		67		30-150	2		20	A
Endosulfan sulfate	66		67		30-150	2		20	A
Methoxychlor	67		73		30-150	9		20	A
cis-Chlordane	68		69		30-150	3		20	A
trans-Chlordane	66		64		30-150	3		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-12,16-17 Batch: WG1532745-2 WG1532745-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		66		30-150	A
Decachlorobiphenyl	59		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		69		30-150	B
Decachlorobiphenyl	73		73		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1532686-4 WG1532686-5 QC Sample: L2141727-09 Client ID: MW-5A													
2,4-D	ND	5	3.57J	71		2.63J	53		30-150	30	Q	25	A
2,4,5-T	ND	5	3.41	68		2.68	54		30-150	24		25	A
2,4,5-TP (Silvex)	ND	5	3.50	70		2.92	58		30-150	18		25	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		53		30-150	A
DCAA	79		65		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-12,16-17 QC Batch ID: WG1532745-4 WG1532745-5 QC Sample: L2141727-09 Client ID: MW-5A													
Delta-BHC	ND	0.357	0.263	74		0.235	66		30-150	11		30	A
Lindane	ND	0.357	0.265	74		0.239	67		30-150	10		30	A
Alpha-BHC	ND	0.357	0.265	74		0.252	71		30-150	5		30	A
Beta-BHC	ND	0.357	0.249	70		0.229	64		30-150	8		30	A
Heptachlor	ND	0.357	0.244	68		0.221	62		30-150	10		30	A
Aldrin	ND	0.357	0.253	71		0.214	60		30-150	17		30	A
Heptachlor epoxide	ND	0.357	0.239	67		0.215	60		30-150	11		30	A
Endrin	ND	0.357	0.242	68		0.231	65		30-150	5		30	A
Endrin aldehyde	ND	0.357	0.234	66		0.204	57		30-150	14		30	A
Endrin ketone	ND	0.357	0.260	73		0.233	65		30-150	11		30	A
Dieldrin	ND	0.357	0.248	69		0.229	64		30-150	8		30	A
4,4'-DDE	ND	0.357	0.246	69		0.222	62		30-150	10		30	A
4,4'-DDD	ND	0.357	0.276	77		0.260	73		30-150	6		30	A
4,4'-DDT	ND	0.357	0.270	76		0.260	73		30-150	4		30	A
Endosulfan I	ND	0.357	0.227	64		0.207	58		30-150	9		30	A
Endosulfan II	ND	0.357	0.248	69		0.235	66		30-150	5		30	A
Endosulfan sulfate	ND	0.357	0.242	68		0.228	64		30-150	6		30	A
Methoxychlor	ND	0.357	0.277	78		0.252	71		30-150	9		30	A
cis-Chlordane	ND	0.357	0.265	74		0.236	66		30-150	12		30	A
trans-Chlordane	ND	0.357	0.260	73		0.231	65		30-150	12		30	A

Matrix Spike Analysis**Batch Quality Control****Project Name:** FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-12,16-17 QC Batch ID: WG1532745-4 WG1532745-5 QC Sample: L2141727-09
 Client ID: MW-5A

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	71		65		30-150	A
Decachlorobiphenyl	64		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		69		30-150	B
Decachlorobiphenyl	81		75		30-150	B

METALS

Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-08

Date Collected: 08/04/21 08:45

Client ID: MW-3A

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.136		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Antimony, Total	0.00118	J	mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00690		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Barium, Total	0.4623		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Calcium, Total	24.5		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Chromium, Total	0.00074	J	mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00693		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Copper, Total	0.00447		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Iron, Total	0.593		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Lead, Total	0.00120		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Magnesium, Total	3.73		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Manganese, Total	2.756		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:18	EPA 7470A	1,7470A	NB
Nickel, Total	0.00673		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Potassium, Total	2.23		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Sodium, Total	24.0		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00244	J	mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD
Zinc, Total	0.1280		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 16:42	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-09

Date Collected: 08/04/21 10:10

Client ID: MW-5A

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.0552		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Antimony, Total	0.00097	J	mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00050		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Barium, Total	0.2271		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00048		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Calcium, Total	72.2		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Chromium, Total	0.00076	J	mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Copper, Total	0.01456		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Iron, Total	0.0887		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Magnesium, Total	20.6		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Manganese, Total	0.01833		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:01	EPA 7470A	1,7470A	NB
Nickel, Total	0.00402		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Potassium, Total	1.18		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Selenium, Total	0.00229	J	mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Sodium, Total	130.		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Thallium, Total	0.00016	J	mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD
Zinc, Total	0.1291		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 15:23	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-10

Date Collected: 08/04/21 11:10

Client ID: DUP-2

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.216		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00058		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Barium, Total	0.2492		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00049		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Calcium, Total	76.5		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Chromium, Total	0.00101		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00042	J	mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Copper, Total	0.01755		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Iron, Total	0.296		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Magnesium, Total	21.9		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Manganese, Total	0.02111		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:21	EPA 7470A	1,7470A	NB
Nickel, Total	0.00389		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Potassium, Total	1.25		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Selenium, Total	0.00237	J	mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Sodium, Total	142.		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD
Zinc, Total	0.1378		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 16:47	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-11

Date Collected: 08/04/21 11:35

Client ID: MW-1A

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.0381		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00164		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Barium, Total	0.08380		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Calcium, Total	43.4		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Chromium, Total	0.3289		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00041	J	mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Copper, Total	0.01144		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Iron, Total	0.0426	J	mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Magnesium, Total	6.21		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Manganese, Total	0.01005		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:24	EPA 7470A	1,7470A	NB
Nickel, Total	0.00087	J	mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Potassium, Total	2.57		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Sodium, Total	157.		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00306	J	mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 16:52	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-12

Date Collected: 08/04/21 14:30

Client ID: EQUIP_BLANK

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	ND		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Chromium, Total	0.00021	J	mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:27	EPA 7470A	1,7470A	NB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 16:37	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-14

Date Collected: 08/03/21 10:15

Client ID: MW-3B

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.635		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00436		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Barium, Total	0.7390		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Calcium, Total	93.5		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Chromium, Total	0.00226		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00199		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Copper, Total	0.00701		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Iron, Total	2.02		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Lead, Total	0.00387		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Magnesium, Total	5.16		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Manganese, Total	0.05008		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:31	EPA 7470A	1,7470A	NB
Nickel, Total	0.00379		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Potassium, Total	1.45		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Sodium, Total	14.2		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00620		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD
Zinc, Total	0.02186		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 16:57	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-15

Date Collected: 08/03/21 11:30

Client ID: MW-4B

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.190		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Antimony, Total	0.00044	J	mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00197		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Barium, Total	0.3077		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00012	J	mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Calcium, Total	80.9		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Chromium, Total	0.00091	J	mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00070		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Copper, Total	0.00786		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Iron, Total	0.340		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Lead, Total	0.00191		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Magnesium, Total	7.02		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Manganese, Total	0.02430		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:34	EPA 7470A	1,7470A	NB
Nickel, Total	0.00515		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Potassium, Total	16.1		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Sodium, Total	25.9		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00365	J	mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD
Zinc, Total	0.02348		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 17:02	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-16

Date Collected: 08/03/21 14:15

Client ID: MW-5B

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.110		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00156		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Barium, Total	0.3506		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Calcium, Total	101.		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Chromium, Total	0.00819		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00122		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Copper, Total	0.00447		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Iron, Total	0.396		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Lead, Total	0.00103		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Magnesium, Total	6.30		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Manganese, Total	0.01003		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:37	EPA 7470A	1,7470A	NB
Nickel, Total	0.00096	J	mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Potassium, Total	3.05		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Sodium, Total	44.6		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Vanadium, Total	0.00157	J	mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD
Zinc, Total	0.01800		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 17:07	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**SAMPLE RESULTS**

Lab ID: L2141727-17

Date Collected: 08/03/21 15:20

Client ID: MW-1B

Date Received: 08/04/21

Sample Location: WEST NYACK, NY

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	0.0396		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00119		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Barium, Total	0.1710		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Calcium, Total	111.		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Chromium, Total	0.00498		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Cobalt, Total	0.00116		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Copper, Total	0.00148		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Iron, Total	0.0906		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Magnesium, Total	5.99		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Manganese, Total	0.2635		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 11:41	EPA 7470A	1,7470A	NB
Nickel, Total	0.00228		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Potassium, Total	1.02		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Sodium, Total	31.3		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 17:12	EPA 3005A	1,6020B	CD



Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08-12,14-17 Batch: WG1531952-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/06/21 04:10	08/17/21 14:53	1,6020B	CD

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): 08-12,14-17 Batch: WG1531953-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/06/21 06:08	08/06/21 10:54	1,7470A	NB



Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 Batch: WG1531952-2								
Aluminum, Total	90		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	98		-		80-120	-		
Beryllium, Total	92		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	108		-		80-120	-		
Chromium, Total	91		-		80-120	-		
Cobalt, Total	94		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	93		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	94		-		80-120	-		
Nickel, Total	91		-		80-120	-		
Potassium, Total	98		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 Batch: WG1531952-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 Batch: WG1531953-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1531952-3 WG1531952-4 QC Sample: L2141727-09 Client ID: MW-5A												
Aluminum, Total	0.0552	2	1.79	87		1.81	88		75-125	1		20
Antimony, Total	0.00097J	0.5	0.3318	66	Q	0.3248	65	Q	75-125	2		20
Arsenic, Total	0.00050	0.12	0.1164	96		0.1232	102		75-125	6		20
Barium, Total	0.2271	2	2.117	94		2.155	96		75-125	2		20
Beryllium, Total	ND	0.05	0.04353	87		0.04807	96		75-125	10		20
Cadmium, Total	0.00048	0.053	0.05199	97		0.05114	96		75-125	2		20
Calcium, Total	72.2	10	79.8	76		79.9	77		75-125	0		20
Chromium, Total	0.00076J	0.2	0.1783	89		0.1818	91		75-125	2		20
Cobalt, Total	ND	0.5	0.4520	90		0.4595	92		75-125	2		20
Copper, Total	0.01456	0.25	0.2487	94		0.2611	99		75-125	5		20
Iron, Total	0.0887	1	0.987	90		0.994	90		75-125	1		20
Lead, Total	ND	0.53	0.4886	92		0.5013	94		75-125	3		20
Magnesium, Total	20.6	10	30.0	94		29.8	92		75-125	1		20
Manganese, Total	0.01833	0.5	0.4662	90		0.4702	90		75-125	1		20
Nickel, Total	0.00402	0.5	0.4413	87		0.4427	88		75-125	0		20
Potassium, Total	1.18	10	10.7	95		10.6	94		75-125	1		20
Selenium, Total	0.00229J	0.12	0.129	108		0.132	110		75-125	2		20
Silver, Total	ND	0.05	0.04879	98		0.04962	99		75-125	2		20
Sodium, Total	130.	10	119	0	Q	118	0	Q	75-125	1		20
Thallium, Total	0.00016J	0.12	0.1152	96		0.1180	98		75-125	2		20
Vanadium, Total	ND	0.5	0.4383	88		0.4480	90		75-125	2		20

Matrix Spike Analysis Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1531952-3 WG1531952-4 QC Sample: L2141727-09 Client ID: MW-5A									
Zinc, Total	0.1291	0.5	0.6208	98	0.6425	103	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1531953-3 WG1531953-4 QC Sample: L2141727-09 Client ID: MW-5A									
Mercury, Total	ND	0.005	0.00488	98	0.00478	96	75-125	2	20

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Serial Dilution**Analysis**

Batch Quality Control

Lab Number: L2141727

Report Date: 08/18/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1531952-6 QC Sample: L2141727-09 Client ID: MW-5A						
Barium, Total	0.2271	0.2119	mg/l	7		20
Calcium, Total	72.2	69.8	mg/l	3		20
Magnesium, Total	20.6	19.7	mg/l	4		20
Sodium, Total	130.	120.	mg/l	8		20

INORGANICS & MISCELLANEOUS

Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-08**Client ID:** MW-3A**Sample Location:** WEST NYACK, NY**Date Collected:** 08/04/21 08:45**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:38	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-09**Client ID:** MW-5A**Sample Location:** WEST NYACK, NY**Date Collected:** 08/04/21 10:10**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:39	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-10**Client ID:** DUP-2**Sample Location:** WEST NYACK, NY**Date Collected:** 08/04/21 11:10**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:44	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-11**Client ID:** MW-1A**Sample Location:** WEST NYACK, NY**Date Collected:** 08/04/21 11:35**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:45	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-12**Client ID:** EQUIP_BLANK**Sample Location:** WEST NYACK, NY**Date Collected:** 08/04/21 14:30**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:46	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-14**Client ID:** MW-3B**Sample Location:** WEST NYACK, NY**Date Collected:** 08/03/21 10:15**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:47	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-15**Client ID:** MW-4B**Sample Location:** WEST NYACK, NY**Date Collected:** 08/03/21 11:30**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:49	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-16**Client ID:** MW-5B**Sample Location:** WEST NYACK, NY**Date Collected:** 08/03/21 14:15**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:50	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21**SAMPLE RESULTS****Lab ID:** L2141727-17**Client ID:** MW-1B**Sample Location:** WEST NYACK, NY**Date Collected:** 08/03/21 15:20**Date Received:** 08/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:51	1,9010C/9012B	CR



Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08-12,14-17 Batch: WG1532093-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/05/21 21:00	08/06/21 10:34	1,9010C/9012B	CR

Lab Control Sample Analysis**Batch Quality Control****Project Name:** FORMER CHROMALLOY**Project Number:** 190273.2021**Lab Number:** L2141727**Report Date:** 08/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08-12,14-17 Batch: WG1532093-2 WG1532093-3								
Cyanide, Total	91		94		85-115	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Lab Number: L2141727

Project Number: 190273.2021

Report Date: 08/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08-12,14-17 QC Batch ID: WG1532093-4 WG1532093-5 QC Sample: L2141727-09 Client ID: MW-5A												
Cyanide, Total	ND	0.2	0.191	96		0.184	92		80-120	4		20

Project Name: FORMER CHROMALLOY**Lab Number:** L2141727**Project Number:** 190273.2021**Report Date:** 08/18/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-01A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01A1	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01A2	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01B1	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01B2	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01C1	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-01C2	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-02A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-02B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-02C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-03A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-03B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-03C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-04A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-04B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-04C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-05A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-05B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-05C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-06A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-06B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-06C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-07A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-07B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-07C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-08A	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-08B	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-08C	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-08D	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2141727-08E	Plastic 250ml NaOH preserved	D	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2141727-08F	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-08G	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-08H	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-08I	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-08J	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-08K	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-08L	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-08M	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-09A	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-09A1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-09A2	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-09B	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-09B1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-09B2	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-09C	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-09C1	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-09C2	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-09D	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2141727-09D1	Plastic 250ml HNO3 preserved	C	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2141727-09D2	Plastic 250ml HNO3 preserved	F	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2141727-09E	Plastic 250ml NaOH preserved	D	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2141727-09E1	Plastic 250ml NaOH preserved	C	>12	>12	2.4	Y	Absent		TCN-9010(14)
L2141727-09E2	Plastic 250ml NaOH preserved	F	>12	>12	2.7	Y	Absent		TCN-9010(14)
L2141727-09F	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-09F1	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No:08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-09F2	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-09G	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-09G1	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)
L2141727-09G2	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-09H	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-09H1	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2141727-09H2	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-09I	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-09I1	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2141727-09I2	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-09J	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09J1	Amber 250ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09J2	Amber 250ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09K	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09K1	Amber 250ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09K2	Amber 250ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-09L	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-09L1	Amber 1000ml unpreserved	C	7	7	2.4	Y	Absent		HERB-APA(7)
L2141727-09L2	Amber 1000ml unpreserved	F	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-09M	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-09M1	Amber 1000ml unpreserved	C	7	7	2.4	Y	Absent		HERB-APA(7)
L2141727-09M2	Amber 1000ml unpreserved	F	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-10A	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-10B	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-10C	Vial HCl preserved	F	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-10D	Plastic 250ml HNO3 preserved	F	<2	<2	2.7	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2141727-10E	Plastic 250ml NaOH preserved	F	>12	>12	2.7	Y	Absent		TCN-9010(14)
L2141727-10F	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-10G	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-10H	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-10I	Amber 120ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-10J	Amber 250ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-10K	Amber 250ml unpreserved	F	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-10L	Amber 1000ml unpreserved	F	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-10M	Amber 1000ml unpreserved	F	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-11A	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-11B	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-11C	Vial HCl preserved	C	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2141727-11D	Plastic 250ml HNO3 preserved	C	<2	<2	2.4	Y	Absent		SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2141727-11E	Plastic 250ml NaOH preserved	C	>12	>12	2.4	Y	Absent		TCN-9010(14)
L2141727-11F	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)
L2141727-11G	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)
L2141727-11H	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2141727-11I	Amber 120ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2141727-11J	Amber 250ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-11K	Amber 250ml unpreserved	C	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-11L	Amber 1000ml unpreserved	C	7	7	2.4	Y	Absent		HERB-APA(7)
L2141727-11M	Amber 1000ml unpreserved	C	7	7	2.4	Y	Absent		HERB-APA(7)
L2141727-12A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-12B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-12C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-12D	Plastic 250ml HNO3 preserved	B	<2	<2	2.7	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2141727-12E	Plastic 250ml NaOH preserved	B	>12	>12	2.7	Y	Absent		TCN-9010(14)
L2141727-12F	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-12G	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2141727-12H	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-12I	Amber 120ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2141727-12J	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-12K	Amber 250ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-12L	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-12M	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		HERB-APA(7)
L2141727-13A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-13B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-14A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2141727-14B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2141727-14C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-14D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2141727-14E	Plastic 250ml NaOH preserved	A	>12	>12	3.0	Y	Absent		TCN-9010(14)
L2141727-14F	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2141727-14G	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2141727-14H	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2141727-14I	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2141727-14J	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-14K	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-14L	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2141727-14M	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2141727-15A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2141727-15B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2141727-15C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2141727-15D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2141727-15E	Plastic 250ml NaOH preserved	A	>12	>12	3.0	Y	Absent		TCN-9010(14)
L2141727-15F	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2141727-15G	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2141727-15H	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2141727-15I	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2141727-15J	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No: 08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-15K	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-15L	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2141727-15M	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2141727-16A	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-16B	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-16C	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-16D	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-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),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2141727-16E	Plastic 250ml NaOH preserved	D	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2141727-16F	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-16G	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-16H	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-16I	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-16J	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-16K	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-16L	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-16M	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-17A	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-17B	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-17C	Vial HCl preserved	D	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2141727-17D	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Serial_No:08182116:23
Lab Number: L2141727
Report Date: 08/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2141727-17E	Plastic 250ml NaOH preserved	D	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2141727-17F	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-17G	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2141727-17H	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-17I	Amber 120ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2141727-17J	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-17K	Amber 250ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2141727-17L	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-17M	Amber 1000ml unpreserved	D	7	7	2.3	Y	Absent		HERB-APA(7)
L2141727-18A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-18B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-18C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-19A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-19B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-19C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-20A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-20B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-20C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-21A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-21B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-21C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-22A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-22B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-22C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-23A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-23B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2141727-23C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2141727
Report Date: 08/18/21

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 3		Date Rec'd in Lab 8/5/21		ALPHA Job # 02141727					
Client Information Client: <u>TRC</u> Address: <u>112 Maxwell Dr., Suite 200</u> <u>Cuba Park, NY 12065</u> Phone: Fax: Email: <u>JKing@trc.com</u>		Project Information Project Name: <u>Former Chromalloy</u> Project Location: <u>West Nyam, NY</u> Project # <u>190273.2021.0000</u> (Use Project name as Project #) ☒ Project Manager: <u>Justin King</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		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					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		ANALYSIS NYTCL-826D NYTCL-EPA 8070D TCC Pesticides - EPA 8081B Herbicides - EPA 8151A Total Cyanide - SM 4500 TCC PCBs - EPA 8082A TAL Metals - Total 6010D		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments					
Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		MS/MSD	
41727-01		MW-23A-D		8/3/21 10:25		Water		LL		X			
-02		MW-23A-S		8/3/21 11:15		Water		LL		X			
-03		DUP-1		8/3/21 12:30		Water		LL		X			
-04		MW-21A-S		8/3/21 12:10		Water		LL		X			
-05		MW-24A-D		8/3/21 14:15		Water		LL		X			
-06		WELL-35		8/3/21 15:25		Water		LL		X			
-07		MW-6A		8/3/21 16:50		Water		LL		X			
-08		MW-3A		8/4/21 8:45		Water		LL		X		X	
-09		MW-5A		8/4/21 10:10		Water		LL		X		X	
-10		DUP-2		8/4/21 11:10		Water		LL		X		X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type BU A A AA P A P		Preservative B A A A E A C		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
Relinquished By: <u>[Signature]</u>		Date/Time: <u>8-4-21 1530</u>		Received By: <u>[Signature]</u>		Date/Time: <u>8/4/21 1530</u>		Date/Time: <u>8/5/21 02:00</u>		Date/Time: <u>8/5/21 02:00</u>		Date/Time: <u>8/5/21 02:00</u>	

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 3		Date Rec'd in Lab 8/5/21		ALPHA Job # 02141727																																																																																																																																																																		
				Project Information Project Name: <u>Former Chromalloy</u> Project Location: <u>West Nyack, NY</u> Project # <u>190273.2.21.0000</u> (Use Project name as Project #) ☒ Project Manager: <u>Justin King</u> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other _____		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																		
Client Information Client: <u>TLC</u> Address: <u>12 Maxwell Dr, Suite 200</u> <u>Clifton Park, NY 12065</u> Phone: _____ Fax: _____ Email: <u>JKing@tcorpinc.com</u>		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 NYTLC-8260 NYTLC-8260 TLC Pubs - EPA 80815 Hachides - EPA 8151A Toxic Cytox - SM 4500 TLC PLBS - EPA 8082A TAL Metals - TOX 6000 ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles																																																																																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="8"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="8"></th> </tr> </thead> <tbody> <tr> <td>41727-11</td> <td>MW-1A</td> <td>8/4/21</td> <td>11:35</td> <td>Water</td> <td>LL</td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td> </tr> <tr> <td>-12</td> <td>Equip. Blank</td> <td>8/4/21</td> <td>14:30</td> <td>Water</td> <td>ASP</td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td> </tr> <tr> <td>-13</td> <td>temp blank</td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-14</td> <td>trip Blank</td> <td></td> <td></td> <td></td> <td></td> <td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						ALPHA Lab ID (Lab Use Only)	Sample ID		Collection		Sample Matrix	Sampler's Initials									Date	Time									41727-11	MW-1A	8/4/21	11:35	Water	LL	X	X	X	X	X	X	X		-12	Equip. Blank	8/4/21	14:30	Water	ASP	X	X	X	X	X	X	X		-13	temp blank													-14	trip Blank					X																																																																																											
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Relinquished By: _____ Date/Time: <u>8-4-21 11:530</u> <u>8/4/21 1820</u> <u>8/5/21 02:00</u>						Received By: _____ <u>8/4/21 1530</u> <u>8/4/21 2000</u> <u>8/5/21 02:00</u>						Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																														

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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		Date Rec'd in Lab 8/5/21		ALPHA Job # U2141727																																																																																																																																																																																																																													
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		Project Name: Former Chromalloy Site Project Location: West Nyack, NY Project # 190273.2021 (Use Project name as Project #) ☐ Project Manager: Justin King ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				☐ ASP-A ☒ ASP-B ☐ EQulS (1 File) ☐ EQulS (4 File) ☐ Other				☒ Same as Client Info PO #																																																																																																																																																																																																																											
Client Information		Regulatory Requirement				Disposal Site Information																																																																																																																																																																																																																															
Client: TRC Address: 10 Maxwell Dr. Suite 202 Phone: 518-860-7656 Fax: Email: J.King@TRCcompanies.com		☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:																																																																																																																																																																																																																															
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