



AECOM
40 British American Boulevard
Latham, New York 12110

518.951.2200 tel
518.951.2300 fax

June 18, 2020

Attn: Pretreatment
Oneida County Sewer District
PO Box 442
Utica, New York 13503

Subject: Semi-Annual Self-Monitoring Report:
Monitoring Period December 1, 2019 – May 31, 2020
Northeast Alloys & Metals, 2145 Dwyer Avenue, Utica, New York
Oneida County Groundwater Remediation Discharge Permit No. GW-055

To Whom It May Concern,

In accordance with the Oneida County Groundwater Remediation Discharge Permit No. GW-055, please find enclosed the Semi-Annual Self-Monitoring Report prepared by AECOM for the referenced period for the groundwater collection and treatment system at the referenced site.

The Report includes the following information:

- Reporting Form.
- A summary table presenting the quantity of treated groundwater discharged to the sanitary sewer.
- Industrial User Report Certification.
- Laboratory analytical data for the samples collected on April 22, 2020.

The laboratory analysis was performed by Eurofins TestAmerica Laboratory located in Amherst, New York. The laboratory data indicate full compliance with permit limits.

Please feel free to contact me at (518) 951-2373 if you have any questions or require additional information.

Yours sincerely,

Lindsay Mitchell, P.E.
Project Manager

Enclosures

cc (with enclosures):
Payson Long - NYSDEC
Rachel K. Gardner, E.I.T. - NYSDEC Region 6, Watertown
Peter Taylor, P.E. - NYSDEC Region 6, Watertown

ONEIDA COUNTY SEWER DISTRICT
INDUSTRIAL USER REPORT CERTIFICATION

Submit To:
ATTN: PRETREATMENT
ONEIDA COUNTY SEWER DISTRICT
PO BOX 442
UTICA NY 13503

From:
NYSDEC DIV ENV REMEDIATION
317 WASHINGTON STREET
WATERTOWN NY 13601

Site:
NORTHEAST ALLOYS & METALS
2145 DWYER AVENUE
UTICA NY 13501

ATTACH TO REPORT DATED: June 18, 2020

REPORTING PERIOD: December 1, 2019 to May 31, 2020

The following certification of information provided in industrial user reports is made in compliance with the General Pretreatment Regulations.

1. Compliance or Non-Compliance Status: Ref = 40 CFR 403.12(b)(6)

Check A or B. If B is checked, attach a statement describing O&M and/or pretreatment required; include the shortest schedule by which you can provide the required O&M and/or pretreatment.

☒ A. I certify that Pretreatment Standards are being met on a consistent basis.

☐ B. I certify that Pretreatment Standards are NOT being met on a consistent basis, and that additional operation and maintenance (O&M) and/or additional pretreatment is required to achieve compliance with Pretreatment Standards and Requirements.

2. Information Certification: Ref = 40 CFR 403.6(a)(2)(ii)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature: _____

Title: _____

Date: _____

Lindsay Mitchell
Project Manager
June 18, 2020

PLEASE ATTACH THIS CERTIFICATION TO THE SEMI-ANNUAL & OTHER REPORTS THAT YOU SUBMIT TO THE ONEIDA COUNTY SEWER DISTRICT.

ONEIDA COUNTY SEWER DISTRICT REPORTING FORM

Submit To:
ATTN: PRETREATMENT
ONEIDA COUNTY SEWER DISTRICT
PO BOX 442
UTICA NY 13503

From:
NYSDEC DIV ENV REMEDIATION
317 WASHINGTON STREET
WATERTOWN NY 13601

Site:
NORTHEAST ALLOYS & METALS
2145 DWYER AVENUE
UTICA NY 13501

RECEIVED

REPORTING PERIOD: December 1, 2019 to May 31, 2020

NOV 29 2010

SAMPLING RESULTS:

AECOM – Albany, NY

For semi-annual reporting, a grab sample of the discharge is analyzed for the pollutants listed. Attach signed Report Certification.

In response to any violations incurred, self-monitor for pollutant in violation at least once a week until there are results for three consecutive sampling events which are in full compliance with permit limits. Submit all results for all samples taken. The first resampling result is due within thirty (30) days; a complete report with all three resampling results is due within sixty (60) days. Attach signed Report Certification and copies of all city water bills, contract laboratory reports, and manifests of hazardous waste shipments for the reporting period.

POLLUTANT PARAMETER	DAILY MAXIMUM LIMIT	ANALYSIS SAMPLE #1	ANALYSIS SAMPLE #2	ANALYSIS SAMPLE #3
Date Sampled		04/22/20		
Sample Number		480-168936-2		
Discharge Flow (Note 1)		ATTACHED		
Mercury, mg/L	0.2	20.0002		
Nickel, mg/L	2.0	0.00145		
Total VOCs (Note 2+3)	2.0	0.0712		

mg/L

- 1) Attach monthly flow totalizer data.
- 2) Total VOCs using EPA Method 624.
- 3) Individual VOCs must not exceed concentrations listed in the TCLP Regulation (40 CFR 261.24 Table 1).

Signature: Lindsey Mitchell Date: June 18, 2020

Northeast Alloys and Metals Site

Oneida County Groundwater Remediation Discharge Permit No. GW-055

Discharge data for period November 21, 2019 - May 21, 2020

	11/21/2019	5/21/2020	Discharge Volume
Flow meter 1	1,717,466	2,295,018	577,552
Flow meter 2	1,660,979	2,205,687	544,708

Total Discharge for period	1,122,260 gallons
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Discharges after May 21, 2020 will be reported in November 2020

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

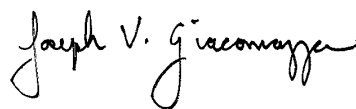
Laboratory Job ID: 480-168936-1

Client Project/Site: Northeast Alloys & Metals #633045

For:

New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long



Authorized for release by:

4/30/2020 7:46:03 PM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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www.testamericainc.com

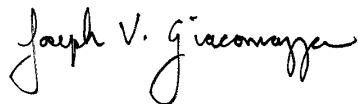
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
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- 15

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
4/30/2020 7:46:03 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Job ID: 480-168936-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-168936-1

Comments

No additional comments.

Receipt

The samples were received on 4/23/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-528154 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone (MIBK) and 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated sample was non-detect for these analytes, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-528394 recovered above the upper control limit for Isopropylbenzene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: NE-INF 042220 (480-168936-1) and NE-EFF 042220 (480-168936-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-INF 042220

Lab Sample ID: 480-168936-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.48	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	2.8		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: NE-EFF 042220

Lab Sample ID: 480-168936-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	60		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	3.6		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	7.1		1.0	0.90	ug/L	1		8260C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK 042220

Lab Sample ID: 480-168936-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-INF 042220

Lab Sample ID: 480-168936-1

Date Collected: 04/22/20 11:35

Matrix: Water

Date Received: 04/23/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/28/20 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/28/20 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/28/20 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/28/20 13:43	1
1,1-Dichloroethane	0.48	J	1.0	0.38	ug/L			04/28/20 13:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/28/20 13:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/28/20 13:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/28/20 13:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/28/20 13:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/28/20 13:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/28/20 13:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/28/20 13:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/28/20 13:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/28/20 13:43	1
2-Hexanone	ND		5.0	1.2	ug/L			04/28/20 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/28/20 13:43	1
Acetone	ND		10	3.0	ug/L			04/28/20 13:43	1
Benzene	ND		1.0	0.41	ug/L			04/28/20 13:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/28/20 13:43	1
Bromoform	ND		1.0	0.26	ug/L			04/28/20 13:43	1
Bromomethane	ND		1.0	0.69	ug/L			04/28/20 13:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/28/20 13:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/28/20 13:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/28/20 13:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/28/20 13:43	1
Chloroethane	ND		1.0	0.32	ug/L			04/28/20 13:43	1
Chloroform	ND		1.0	0.34	ug/L			04/28/20 13:43	1
Chloromethane	ND		1.0	0.35	ug/L			04/28/20 13:43	1
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L			04/28/20 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/28/20 13:43	1
Cyclohexane	ND		1.0	0.18	ug/L			04/28/20 13:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/28/20 13:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/20 13:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/28/20 13:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/28/20 13:43	1
Methyl acetate	ND		2.5	1.3	ug/L			04/28/20 13:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/28/20 13:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/28/20 13:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/28/20 13:43	1
Styrene	ND		1.0	0.73	ug/L			04/28/20 13:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/28/20 13:43	1
Toluene	ND		1.0	0.51	ug/L			04/28/20 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/28/20 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/28/20 13:43	1
Trichloroethene	2.8		1.0	0.46	ug/L			04/28/20 13:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/28/20 13:43	1
Vinyl chloride	4.8		1.0	0.90	ug/L			04/28/20 13:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/20 13:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-INF 042220

Lab Sample ID: 480-168936-1

Date Collected: 04/22/20 11:35

Matrix: Water

Date Received: 04/23/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		80 - 120		04/28/20 13:43	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		77 - 120		04/28/20 13:43	1
<i>4-Bromofluorobenzene (Surr)</i>	96		73 - 120		04/28/20 13:43	1
<i>Dibromofluoromethane (Surr)</i>	99		75 - 123		04/28/20 13:43	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-EFF 042220

Lab Sample ID: 480-168936-2

Date Collected: 04/22/20 11:25

Matrix: Water

Date Received: 04/23/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/28/20 14:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/28/20 14:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/28/20 14:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/28/20 14:07	1
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L			04/28/20 14:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/28/20 14:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/28/20 14:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/28/20 14:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/28/20 14:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/28/20 14:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/28/20 14:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/28/20 14:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/28/20 14:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/28/20 14:07	1
2-Hexanone	ND		5.0	1.2	ug/L			04/28/20 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/28/20 14:07	1
Acetone	ND		10	3.0	ug/L			04/28/20 14:07	1
Benzene	ND		1.0	0.41	ug/L			04/28/20 14:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/28/20 14:07	1
Bromoform	ND		1.0	0.26	ug/L			04/28/20 14:07	1
Bromomethane	ND		1.0	0.69	ug/L			04/28/20 14:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/28/20 14:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/28/20 14:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/28/20 14:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/28/20 14:07	1
Chloroethane	ND		1.0	0.32	ug/L			04/28/20 14:07	1
Chloroform	ND		1.0	0.34	ug/L			04/28/20 14:07	1
Chloromethane	ND		1.0	0.35	ug/L			04/28/20 14:07	1
cis-1,2-Dichloroethene	60		1.0	0.81	ug/L			04/28/20 14:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/28/20 14:07	1
Cyclohexane	ND		1.0	0.18	ug/L			04/28/20 14:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/28/20 14:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/20 14:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/28/20 14:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/28/20 14:07	1
Methyl acetate	ND		2.5	1.3	ug/L			04/28/20 14:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/28/20 14:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/28/20 14:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/28/20 14:07	1
Styrene	ND		1.0	0.73	ug/L			04/28/20 14:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/28/20 14:07	1
Toluene	ND		1.0	0.51	ug/L			04/28/20 14:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/28/20 14:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/28/20 14:07	1
Trichloroethene	3.6		1.0	0.46	ug/L			04/28/20 14:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/28/20 14:07	1
Vinyl chloride	7.1		1.0	0.90	ug/L			04/28/20 14:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/20 14:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-EFF 042220

Lab Sample ID: 480-168936-2

Date Collected: 04/22/20 11:25

Matrix: Water

Date Received: 04/23/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		04/28/20 14:07	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/28/20 14:07	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/28/20 14:07	1
Dibromofluoromethane (Surr)	100		75 - 123		04/28/20 14:07	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0014	J	0.010	0.0013	mg/L		04/27/20 09:47	04/27/20 18:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/30/20 12:43	04/30/20 17:00	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: TRIP BLANK 042220

Lab Sample ID: 480-168936-3

Date Collected: 04/22/20 00:00

Matrix: Water

Date Received: 04/23/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/27/20 10:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/27/20 10:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/27/20 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/27/20 10:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/27/20 10:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/27/20 10:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/27/20 10:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/27/20 10:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/27/20 10:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/27/20 10:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/27/20 10:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/27/20 10:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/27/20 10:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/27/20 10:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/27/20 10:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/27/20 10:49	1
Acetone	ND		10	3.0	ug/L			04/27/20 10:49	1
Benzene	ND		1.0	0.41	ug/L			04/27/20 10:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/27/20 10:49	1
Bromoform	ND		1.0	0.26	ug/L			04/27/20 10:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/27/20 10:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/27/20 10:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/27/20 10:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/27/20 10:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/27/20 10:49	1
Chloroethane	ND		1.0	0.32	ug/L			04/27/20 10:49	1
Chloroform	ND		1.0	0.34	ug/L			04/27/20 10:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/27/20 10:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/27/20 10:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/27/20 10:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/27/20 10:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/27/20 10:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/27/20 10:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/27/20 10:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/27/20 10:49	1
Methyl acetate	ND		2.5	1.3	ug/L			04/27/20 10:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/27/20 10:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/27/20 10:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/27/20 10:49	1
Styrene	ND		1.0	0.73	ug/L			04/27/20 10:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/27/20 10:49	1
Toluene	ND		1.0	0.51	ug/L			04/27/20 10:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/27/20 10:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/27/20 10:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/27/20 10:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/27/20 10:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/27/20 10:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/27/20 10:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: TRIP BLANK 042220

Lab Sample ID: 480-168936-3

Date Collected: 04/22/20 00:00

Matrix: Water

Date Received: 04/23/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		80 - 120		04/27/20 10:49	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		77 - 120		04/27/20 10:49	1
<i>4-Bromofluorobenzene (Surr)</i>	100		73 - 120		04/27/20 10:49	1
<i>Dibromofluoromethane (Surr)</i>	104		75 - 123		04/27/20 10:49	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-168936-1	NE-INF 042220	98	101	96	99
480-168936-2	NE-EFF 042220	98	99	91	100
480-168936-3	TRIP BLANK 042220	99	103	100	104
LCS 480-528154/5	Lab Control Sample	100	101	101	103
LCS 480-528394/5	Lab Control Sample	98	97	95	97
MB 480-528154/8	Method Blank	100	102	101	102
MB 480-528394/7	Method Blank	98	101	93	99

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-528154/8

Matrix: Water

Analysis Batch: 528154

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/27/20 09:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/27/20 09:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/27/20 09:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/27/20 09:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/27/20 09:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/27/20 09:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/27/20 09:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/27/20 09:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/27/20 09:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/27/20 09:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/27/20 09:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/27/20 09:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/27/20 09:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/27/20 09:54	1
2-Hexanone	ND		5.0	1.2	ug/L			04/27/20 09:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/27/20 09:54	1
Acetone	ND		10	3.0	ug/L			04/27/20 09:54	1
Benzene	ND		1.0	0.41	ug/L			04/27/20 09:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/27/20 09:54	1
Bromoform	ND		1.0	0.26	ug/L			04/27/20 09:54	1
Bromomethane	ND		1.0	0.69	ug/L			04/27/20 09:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/27/20 09:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/27/20 09:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/27/20 09:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/27/20 09:54	1
Chloroethane	ND		1.0	0.32	ug/L			04/27/20 09:54	1
Chloroform	ND		1.0	0.34	ug/L			04/27/20 09:54	1
Chloromethane	ND		1.0	0.35	ug/L			04/27/20 09:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/27/20 09:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/27/20 09:54	1
Cyclohexane	ND		1.0	0.18	ug/L			04/27/20 09:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/27/20 09:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/27/20 09:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/27/20 09:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/27/20 09:54	1
Methyl acetate	ND		2.5	1.3	ug/L			04/27/20 09:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/27/20 09:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/27/20 09:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/27/20 09:54	1
Styrene	ND		1.0	0.73	ug/L			04/27/20 09:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/27/20 09:54	1
Toluene	ND		1.0	0.51	ug/L			04/27/20 09:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/27/20 09:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/27/20 09:54	1
Trichloroethene	ND		1.0	0.46	ug/L			04/27/20 09:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/27/20 09:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/27/20 09:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/27/20 09:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-528154/8

Matrix: Water

Analysis Batch: 528154

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		04/27/20 09:54	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/27/20 09:54	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/27/20 09:54	1
Dibromofluoromethane (Surr)	102		75 - 123		04/27/20 09:54	1

Lab Sample ID: LCS 480-528154/5

Matrix: Water

Analysis Batch: 528154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.0		ug/L		84	76 - 120
1,1,2-Trichloroethane	25.0	21.5		ug/L		86	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	22.4		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.8		ug/L		87	56 - 134
1,2-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 124
1,2-Dichloroethane	25.0	21.3		ug/L		85	75 - 120
1,2-Dichloropropane	25.0	22.1		ug/L		88	76 - 120
1,3-Dichlorobenzene	25.0	21.8		ug/L		87	77 - 120
1,4-Dichlorobenzene	25.0	21.3		ug/L		85	80 - 120
2-Butanone (MEK)	125	107		ug/L		85	57 - 140
2-Hexanone	125	100		ug/L		80	65 - 127
4-Methyl-2-pentanone (MIBK)	125	100		ug/L		80	71 - 125
Acetone	125	112		ug/L		89	56 - 142
Benzene	25.0	21.9		ug/L		87	71 - 124
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122
Bromoform	25.0	22.6		ug/L		90	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	21.6		ug/L		87	80 - 120
Dibromochloromethane	25.0	22.7		ug/L		91	75 - 125
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	21.4		ug/L		86	73 - 127
Chloromethane	25.0	21.0		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	25.0	23.3		ug/L		93	59 - 135
Dichlorodifluoromethane	25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	25.0	21.8		ug/L		87	77 - 123
1,2-Dibromoethane	25.0	21.6		ug/L		87	77 - 120
Isopropylbenzene	25.0	21.9		ug/L		87	77 - 122
Methyl acetate	50.0	41.6		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	21.5		ug/L		86	77 - 120
Methylcyclohexane	25.0	23.2		ug/L		93	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-528154/5

Matrix: Water

Analysis Batch: 528154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124
Styrene	25.0	21.8		ug/L		87	80 - 120
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
Toluene	25.0	21.5		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	22.4		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	24.5		ug/L		98	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-528394/7

Matrix: Water

Analysis Batch: 528394

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/28/20 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/28/20 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/28/20 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/28/20 11:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/28/20 11:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/28/20 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/28/20 11:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/28/20 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/28/20 11:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/28/20 11:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/28/20 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/28/20 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/28/20 11:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/28/20 11:53	1
2-Hexanone	ND		5.0	1.2	ug/L			04/28/20 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/28/20 11:53	1
Acetone	ND		10	3.0	ug/L			04/28/20 11:53	1
Benzene	ND		1.0	0.41	ug/L			04/28/20 11:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/28/20 11:53	1
Bromoform	ND		1.0	0.26	ug/L			04/28/20 11:53	1
Bromomethane	ND		1.0	0.69	ug/L			04/28/20 11:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/28/20 11:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/28/20 11:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/28/20 11:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/28/20 11:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/28/20 11:53	1
Chloroform	ND		1.0	0.34	ug/L			04/28/20 11:53	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-528394/7

Matrix: Water

Analysis Batch: 528394

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			04/28/20 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/28/20 11:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/28/20 11:53	1
Cyclohexane	ND		1.0	0.18	ug/L			04/28/20 11:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/28/20 11:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/28/20 11:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/28/20 11:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/28/20 11:53	1
Methyl acetate	ND		2.5	1.3	ug/L			04/28/20 11:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/28/20 11:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/28/20 11:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/28/20 11:53	1
Styrene	ND		1.0	0.73	ug/L			04/28/20 11:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/28/20 11:53	1
Toluene	ND		1.0	0.51	ug/L			04/28/20 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/28/20 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/28/20 11:53	1
Trichloroethene	ND		1.0	0.46	ug/L			04/28/20 11:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/28/20 11:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/28/20 11:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/28/20 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		04/28/20 11:53	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/28/20 11:53	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/28/20 11:53	1
Dibromofluoromethane (Surr)	99		75 - 123		04/28/20 11:53	1

Lab Sample ID: LCS 480-528394/5

Matrix: Water

Analysis Batch: 528394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.1		ug/L		92	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.7		ug/L		91	61 - 148
1,1-Dichloroethane	25.0	23.1		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Butanone (MEK)	125	122		ug/L		97	57 - 140
2-Hexanone	125	131		ug/L		105	65 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-528394/5

Matrix: Water

Analysis Batch: 528394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	113		ug/L		90	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	20.9		ug/L		83	55 - 144
Carbon disulfide	25.0	21.8		ug/L		87	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		92	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125
Chloroethane	25.0	19.9		ug/L		80	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	19.8		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	19.9		ug/L		80	59 - 135
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	26.6		ug/L		107	77 - 120
Isopropylbenzene	25.0	26.9		ug/L		107	77 - 122
Methyl acetate	50.0	44.8		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	25.7		ug/L		103	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	24.9		ug/L		99	75 - 124
Styrene	25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	22.5		ug/L		90	62 - 150
Vinyl chloride	25.0	21.4		ug/L		86	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-527799/1-A

Matrix: Water

Analysis Batch: 528373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 527799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010	0.0013	mg/L		04/27/20 09:47	04/27/20 17:58	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-527799/2-A
Matrix: Water
Analysis Batch: 528373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.200	0.194		mg/L	-	97	80 - 120

Lab Sample ID: LCSD 480-527799/24-A
Matrix: Water
Analysis Batch: 528373

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527799

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.200	0.195		mg/L	-	97	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-528976/1-A
Matrix: Water
Analysis Batch: 529079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	-	04/30/20 12:43	04/30/20 16:34	1

Lab Sample ID: LCS 480-528976/2-A
Matrix: Water
Analysis Batch: 529079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00703		mg/L	-	105	80 - 120

Lab Sample ID: LCSD 480-528976/3-A
Matrix: Water
Analysis Batch: 529079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00710		mg/L	-	106	80 - 120	1	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

GC/MS VOA

Analysis Batch: 528154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-3	TRIP BLANK 042220	Total/NA	Water	8260C	
MB 480-528154/8	Method Blank	Total/NA	Water	8260C	
LCS 480-528154/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 528394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-1	NE-INF 042220	Total/NA	Water	8260C	
480-168936-2	NE-EFF 042220	Total/NA	Water	8260C	
MB 480-528394/7	Method Blank	Total/NA	Water	8260C	
LCS 480-528394/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 527799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-2	NE-EFF 042220	Total/NA	Water	3005A	
MB 480-527799/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-527799/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-527799/24-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 528373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-2	NE-EFF 042220	Total/NA	Water	6010C	527799
MB 480-527799/1-A	Method Blank	Total/NA	Water	6010C	527799
LCS 480-527799/2-A	Lab Control Sample	Total/NA	Water	6010C	527799
LCSD 480-527799/24-A	Lab Control Sample Dup	Total/NA	Water	6010C	527799

Prep Batch: 528976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-2	NE-EFF 042220	Total/NA	Water	7470A	
MB 480-528976/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-528976/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-528976/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 529079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168936-2	NE-EFF 042220	Total/NA	Water	7470A	528976
MB 480-528976/1-A	Method Blank	Total/NA	Water	7470A	528976
LCS 480-528976/2-A	Lab Control Sample	Total/NA	Water	7470A	528976
LCSD 480-528976/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	528976

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Client Sample ID: NE-INF 042220

Date Collected: 04/22/20 11:35

Date Received: 04/23/20 08:00

Lab Sample ID: 480-168936-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	528394	04/28/20 13:43	CRL	TAL BUF

Client Sample ID: NE-EFF 042220

Date Collected: 04/22/20 11:25

Date Received: 04/23/20 08:00

Lab Sample ID: 480-168936-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	528394	04/28/20 14:07	CRL	TAL BUF
Total/NA	Prep	3005A			527799	04/27/20 09:47	NSW	TAL BUF
Total/NA	Analysis	6010C		1	528373	04/27/20 18:41	LMH	TAL BUF
Total/NA	Prep	7470A			528976	04/30/20 12:43	BMB	TAL BUF
Total/NA	Analysis	7470A		1	529079	04/30/20 17:00	BMB	TAL BUF

Client Sample ID: TRIP BLANK 042220

Date Collected: 04/22/20 00:00

Date Received: 04/23/20 08:00

Lab Sample ID: 480-168936-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	528154	04/27/20 10:49	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Northeast Alloys & Metals #633045

Job ID: 480-168936-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-168936-1	NE-INF 042220	Water	04/22/20 11:35	04/23/20 08:00	
480-168936-2	NE-EFF 042220	Water	04/22/20 11:25	04/23/20 08:00	
480-168936-3	TRIP BLANK 042220	Water	04/22/20 00:00	04/23/20 08:00	

Client Information		Sampler: <u>Patrick Sakolowski</u>		Lab PM: <u>Stone, Judy L</u>	Carrier Tracking No(s):		COC No: <u>480-144839-32251.1</u>
Client Contact: <u>John Johnson</u>		Phone: <u>(516) 885-4399</u>		E-Mail: <u>judy.stone@testamericainc.com</u>	Page: <u>Page 1 of 1</u>		Job #: <u>1</u>
Company: <u>Precision Environmental Services Inc.</u>							
Address: <u>831 State Route 67 Ste 38</u>							
City: <u>Ballston Spa</u>							
State, Zip: <u>NY, 12020</u>							
Phone: <u>518-402-9625 (Tel)</u>							
Email: <u>johnson@precisioninc.com</u>							
Project Name: <u>Northeast Alloys & Metals #633045</u>							
Site: <u>48021991</u>							
Due Date Requested: <u>Standard (10-Day)</u>							
TAT Requested (days): <u>138004</u>							
PO #: <u>Callout 138004</u>							
WO #: <u>48021991</u>							
Project #: <u>48021991</u>							
SSOW#: <u></u>							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
<u>NE-INF 042220</u>		<u>4-22-20</u>	<u>1135</u>	<u>Grab</u>	<u>Water</u>	<u>X</u>	<u>X</u>
<u>NE-EFF 042220</u>		<u>4-22-20</u>	<u>1125</u>	<u>Grab</u>	<u>Water</u>	<u>X</u>	<u>X</u>
<u>Trip Blank 042220</u>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>X</u>	<u>X</u>
<u>NZ 4-22-20</u>		<u>4-22-20</u>	<u>1135</u>	<u>Grab</u>	<u>Water</u>	<u>X</u>	<u>X</u>
Special Instructions/Note: <u>480-168936 Chain of Custody</u>							
Total Number of containers: <u>43</u>							
Preservation Codes:							
A - HCL M - Hexane							
B - NaOH N - None							
C - Zn Acetate O - AsNaO2							
D - Nitric Acid P - Na2O4S							
E - NaHSO4 Q - Na2SO3							
F - MeOH R - Na2SO3							
G - Amchlor S - H2SO4							
H - Ascorbic Acid T - TSP Dodecahydrate							
I - Ice U - Acetone							
J - DI Water V - MCAA							
K - EDTA W - pH 4-5							
L - EDA Z - other (specify)							
Other: <u></u>							
Special Instructions/Note: <u></u>							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☐ Return To Client ☐ Disposal By Lab ☐ Archive For <u>Months</u>							
Special Instructions/QC Requirements: <u>cc Report to Lindsey Mitchell (Lindsey.Mitchell@eaton.com)</u>							
Method of Shipment: <u></u>							
Possible Hazard Identification		Date:		Time:		Company:	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		<u>4/22/20</u>		<u>1430</u>		<u>ACS</u>	
Deliverable Requested: I, II, III, IV, Other (specify)		<u>4/22/20</u>		<u>1700</u>		<u>Chopin</u>	
Empty Kit Relinquished by: <u>Patrick Sakolowski</u>		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	
Relinquished by: <u>Patrick Sakolowski</u>		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	
Relinquished by: <u>Patrick Sakolowski</u>		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	
Custody Seals Intact: <u>Yes</u> ☐ <u>No</u> ☐		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	
Custody Seal No.: <u>3472</u>		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	
Cooler Temperature(s) °C and Other Remarks: <u>3472</u>		<u>4/22/20</u>		<u>1430</u>		<u>Chopin</u>	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-168936-1

Login Number: 168936

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4 #2 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PRECISION
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	