



AECOM
40 British American Boulevard
Latham, New York 12110

518.951.2200 tel
518.951.2300 fax

January 8, 2021

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

**Subject: Semi-Annual Self-Monitoring Report:
Monitoring Period June 1, 2020 – November 30, 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 October 27, 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: January 8, 2021

REPORTING PERIOD: June 1, 2020 to November 30, 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: Lindsay Mitchell

Title: Project Manager

Date: 1/8/21

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

NOV 29 2010

REPORTING PERIOD: June, 2020 to November 30, 2020

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		10/27/20		
Sample Number		480-177183-1		
Discharge Flow (Note 1)		ATTACHED		
Mercury, mg/L	0.2	<0.0002		
Nickel, mg/L	2.0	<0.010		
Total VOCs (Note 2+3)	2.0	0.015		

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: Lindsay Mitchell Date: 1/8/21

Northeast Alloys and Metals Site
Oneida County Groundwater Remediation Discharge Permit No. GW-055

Discharge data for period May 21, 2020 - November 30, 2020

	5/21/2020	11/30/2020	Discharge Volume
Flow meter 1	2,295,018	2,536,568	241,550
Flow meter 2	2,205,687	2,444,292	238,605

Total Discharge for period	480,155 gallons
-----------------------------------	------------------------

Discharges after November 30, 2020 will be reported in May 2021

ANALYTICAL REPORT

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

Laboratory Job ID: 480-177183-1

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:

11/11/2020 8:34:40 AM

Wyatt Watson, Project Management Assistant I

Wyatt.Watson@Eurofinset.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

Judy.Stone@Eurofinset.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 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.



Wyatt Watson
Project Management Assistant I
11/11/2020 8:34:40 AM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

Definitions/Glossary

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

Job ID: 480-177183-1

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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 480-177183-1

Job ID: 480-177183-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177183-1

Comments

No additional comments.

Receipt

The samples were received on 10/28/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method 624.1: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: NE-EFF 102720 (480-177183-1), NE-INF 102720 (480-177183-2) and TRIP BLANK (480-177183-3). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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: 480-177183-1

Client Sample ID: NE-EFF 102720

Lab Sample ID: 480-177183-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	15		10	3.2	ug/L	1		624.1	Total/NA

Client Sample ID: NE-INF 102720

Lab Sample ID: 480-177183-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.73	J	5.0	0.59	ug/L	1		624.1	Total/NA
1,2-Dichloroethene, Total	76		10	3.2	ug/L	1		624.1	Total/NA
trans-1,2-Dichloroethene	1.1	J	5.0	0.59	ug/L	1		624.1	Total/NA
Trichloroethene	3.6	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	22		5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177183-3

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: 480-177183-1

Client Sample ID: NE-EFF 102720

Lab Sample ID: 480-177183-1

Date Collected: 10/27/20 11:45

Matrix: Water

Date Received: 10/28/20 08:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/28/20 15:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/28/20 15:34	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/28/20 15:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/28/20 15:34	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/28/20 15:34	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/28/20 15:34	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/28/20 15:34	1
1,2-Dichloroethene, Total	15		10	3.2	ug/L			10/28/20 15:34	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/28/20 15:34	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/28/20 15:34	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/28/20 15:34	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/28/20 15:34	1
Acrolein	ND		100	17	ug/L			10/28/20 15:34	1
Acrylonitrile	ND		50	1.9	ug/L			10/28/20 15:34	1
Benzene	ND		5.0	0.60	ug/L			10/28/20 15:34	1
Bromoform	ND		5.0	0.47	ug/L			10/28/20 15:34	1
Bromomethane	ND		5.0	1.2	ug/L			10/28/20 15:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/28/20 15:34	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/28/20 15:34	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			10/28/20 15:34	1
Chloroethane	ND		5.0	0.87	ug/L			10/28/20 15:34	1
Chloroform	ND		5.0	0.54	ug/L			10/28/20 15:34	1
Chloromethane	ND		5.0	0.64	ug/L			10/28/20 15:34	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/28/20 15:34	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			10/28/20 15:34	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/28/20 15:34	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/28/20 15:34	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/28/20 15:34	1
Toluene	ND		5.0	0.45	ug/L			10/28/20 15:34	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/28/20 15:34	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/28/20 15:34	1
Trichloroethene	ND		5.0	0.60	ug/L			10/28/20 15:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/28/20 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		68 - 130		10/28/20 15:34	1
4-Bromofluorobenzene (Surr)	93		76 - 123		10/28/20 15:34	1
Dibromofluoromethane (Surr)	94		75 - 123		10/28/20 15:34	1
Toluene-d8 (Surr)	92		77 - 120		10/28/20 15:34	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010	0.0013	mg/L		10/29/20 16:58	11/02/20 15:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:03	1

Client Sample Results

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

Job ID: 480-177183-1

Client Sample ID: NE-INF 102720

Lab Sample ID: 480-177183-2

Date Collected: 10/27/20 11:50

Matrix: Water

Date Received: 10/28/20 08:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/28/20 15:57	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/28/20 15:57	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/28/20 15:57	1
1,1-Dichloroethane	0.73	J	5.0	0.59	ug/L			10/28/20 15:57	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/28/20 15:57	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/28/20 15:57	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/28/20 15:57	1
1,2-Dichloroethene, Total	76		10	3.2	ug/L			10/28/20 15:57	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/28/20 15:57	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/28/20 15:57	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/28/20 15:57	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/28/20 15:57	1
Acrolein	ND		100	17	ug/L			10/28/20 15:57	1
Acrylonitrile	ND		50	1.9	ug/L			10/28/20 15:57	1
Benzene	ND		5.0	0.60	ug/L			10/28/20 15:57	1
Bromoform	ND		5.0	0.47	ug/L			10/28/20 15:57	1
Bromomethane	ND		5.0	1.2	ug/L			10/28/20 15:57	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/28/20 15:57	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/28/20 15:57	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			10/28/20 15:57	1
Chloroethane	ND		5.0	0.87	ug/L			10/28/20 15:57	1
Chloroform	ND		5.0	0.54	ug/L			10/28/20 15:57	1
Chloromethane	ND		5.0	0.64	ug/L			10/28/20 15:57	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/28/20 15:57	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			10/28/20 15:57	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/28/20 15:57	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/28/20 15:57	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/28/20 15:57	1
Toluene	ND		5.0	0.45	ug/L			10/28/20 15:57	1
trans-1,2-Dichloroethene	1.1	J	5.0	0.59	ug/L			10/28/20 15:57	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/28/20 15:57	1
Trichloroethene	3.6	J	5.0	0.60	ug/L			10/28/20 15:57	1
Vinyl chloride	22		5.0	0.75	ug/L			10/28/20 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130		10/28/20 15:57	1
4-Bromofluorobenzene (Surr)	94		76 - 123		10/28/20 15:57	1
Dibromofluoromethane (Surr)	94		75 - 123		10/28/20 15:57	1
Toluene-d8 (Surr)	93		77 - 120		10/28/20 15:57	1

Client Sample Results

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

Job ID: 480-177183-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177183-3

Date Collected: 10/23/20 00:00

Matrix: Water

Date Received: 10/28/20 08:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/28/20 15:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/28/20 15:11	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/28/20 15:11	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/28/20 15:11	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/28/20 15:11	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/28/20 15:11	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/28/20 15:11	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/28/20 15:11	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/28/20 15:11	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/28/20 15:11	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/28/20 15:11	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/28/20 15:11	1
Acrolein	ND		100	17	ug/L			10/28/20 15:11	1
Acrylonitrile	ND		50	1.9	ug/L			10/28/20 15:11	1
Benzene	ND		5.0	0.60	ug/L			10/28/20 15:11	1
Bromoform	ND		5.0	0.47	ug/L			10/28/20 15:11	1
Bromomethane	ND		5.0	1.2	ug/L			10/28/20 15:11	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/28/20 15:11	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/28/20 15:11	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			10/28/20 15:11	1
Chloroethane	ND		5.0	0.87	ug/L			10/28/20 15:11	1
Chloroform	ND		5.0	0.54	ug/L			10/28/20 15:11	1
Chloromethane	ND		5.0	0.64	ug/L			10/28/20 15:11	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/28/20 15:11	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			10/28/20 15:11	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/28/20 15:11	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/28/20 15:11	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/28/20 15:11	1
Toluene	ND		5.0	0.45	ug/L			10/28/20 15:11	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/28/20 15:11	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/28/20 15:11	1
Trichloroethene	ND		5.0	0.60	ug/L			10/28/20 15:11	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/28/20 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130		10/28/20 15:11	1
4-Bromofluorobenzene (Surr)	94		76 - 123		10/28/20 15:11	1
Dibromofluoromethane (Surr)	91		75 - 123		10/28/20 15:11	1
Toluene-d8 (Surr)	92		77 - 120		10/28/20 15:11	1

Surrogate Summary

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

Job ID: 480-177183-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(68-130)	(76-123)	(75-123)	(77-120)
480-177183-1	NE-EFF 102720	83	93	94	92
480-177183-2	NE-INF 102720	82	94	94	93
480-177183-3	TRIP BLANK	82	94	91	92
LCS 480-556128/6	Lab Control Sample	85	94	94	94
MB 480-556128/8	Method Blank	82	94	92	93

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 480-177183-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-556128/8
Matrix: Water
Analysis Batch: 556128

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		5.0	0.39	ug/L			10/28/20 11:25	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/28/20 11:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/28/20 11:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/28/20 11:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/28/20 11:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/28/20 11:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/28/20 11:25	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/28/20 11:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/28/20 11:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/28/20 11:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/28/20 11:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/28/20 11:25	1
Acrolein	ND		100	17	ug/L			10/28/20 11:25	1
Acrylonitrile	ND		50	1.9	ug/L			10/28/20 11:25	1
Benzene	ND		5.0	0.60	ug/L			10/28/20 11:25	1
Bromoform	ND		5.0	0.47	ug/L			10/28/20 11:25	1
Bromomethane	ND		5.0	1.2	ug/L			10/28/20 11:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/28/20 11:25	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/28/20 11:25	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			10/28/20 11:25	1
Chloroethane	ND		5.0	0.87	ug/L			10/28/20 11:25	1
Chloroform	ND		5.0	0.54	ug/L			10/28/20 11:25	1
Chloromethane	ND		5.0	0.64	ug/L			10/28/20 11:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/28/20 11:25	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			10/28/20 11:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/28/20 11:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/28/20 11:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/28/20 11:25	1
Toluene	ND		5.0	0.45	ug/L			10/28/20 11:25	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/28/20 11:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/28/20 11:25	1
Trichloroethene	ND		5.0	0.60	ug/L			10/28/20 11:25	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/28/20 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130		10/28/20 11:25	1
4-Bromofluorobenzene (Surr)	94		76 - 123		10/28/20 11:25	1
Dibromofluoromethane (Surr)	92		75 - 123		10/28/20 11:25	1
Toluene-d8 (Surr)	93		77 - 120		10/28/20 11:25	1

Lab Sample ID: LCS 480-556128/6
Matrix: Water
Analysis Batch: 556128

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	20.0	18.1		ug/L		90	52 - 162
1,1,1,2-Tetrachloroethane	20.0	17.9		ug/L		89	46 - 157
1,1,2-Trichloroethane	20.0	18.4		ug/L		92	52 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177183-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-556128/6
Matrix: Water
Analysis Batch: 556128

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	20.0	19.5		ug/L		97	59 - 155
1,1-Dichloroethene	20.0	20.7		ug/L		104	1 - 234
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	18 - 190
1,2-Dichloroethane	20.0	16.4		ug/L		82	49 - 155
1,2-Dichloropropane	20.0	19.1		ug/L		96	1 - 210
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	59 - 156
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	18 - 190
2-Chloroethyl vinyl ether	20.0	17.3	J	ug/L		87	1 - 305
Benzene	20.0	20.0		ug/L		100	37 - 151
Bromoform	20.0	17.9		ug/L		89	45 - 169
Bromomethane	20.0	23.6		ug/L		118	1 - 242
Carbon tetrachloride	20.0	18.3		ug/L		91	70 - 140
Chlorobenzene	20.0	19.3		ug/L		97	37 - 160
Chlorodibromomethane	20.0	17.4		ug/L		87	53 - 149
Chloroethane	20.0	22.5		ug/L		112	14 - 230
Chloroform	20.0	18.8		ug/L		94	51 - 138
Chloromethane	20.0	24.2		ug/L		121	1 - 273
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	1 - 227
Dichlorobromomethane	20.0	17.6		ug/L		88	35 - 155
Ethylbenzene	20.0	19.2		ug/L		96	37 - 162
Methylene Chloride	20.0	20.0		ug/L		100	1 - 221
Tetrachloroethene	20.0	20.4		ug/L		102	64 - 148
Toluene	20.0	19.2		ug/L		96	47 - 150
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	54 - 156
trans-1,3-Dichloropropene	20.0	17.1		ug/L		85	17 - 183
Trichloroethene	20.0	19.0		ug/L		95	71 - 157
Vinyl chloride	20.0	23.8		ug/L		119	1 - 251

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		68 - 130
4-Bromofluorobenzene (Surr)	94		76 - 123
Dibromofluoromethane (Surr)	94		75 - 123
Toluene-d8 (Surr)	94		77 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-556495/1-A
Matrix: Water
Analysis Batch: 557087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010	0.0013	mg/L		10/29/20 16:58	11/02/20 15:10	1

Lab Sample ID: LCS 480-556495/2-A
Matrix: Water
Analysis Batch: 557087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.200	0.203		mg/L		102	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177183-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-558315/1-A
Matrix: Water
Analysis Batch: 558416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/20 13:55	11/10/20 17:00	1

Lab Sample ID: LCS 480-558315/2-A
Matrix: Water
Analysis Batch: 558416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00725		mg/L		109	80 - 120



QC Association Summary

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

Job ID: 480-177183-1

GC/MS VOA

Analysis Batch: 556128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177183-1	NE-EFF 102720	Total/NA	Water	624.1	
480-177183-2	NE-INF 102720	Total/NA	Water	624.1	
480-177183-3	TRIP BLANK	Total/NA	Water	624.1	
MB 480-556128/8	Method Blank	Total/NA	Water	624.1	
LCS 480-556128/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 556495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177183-1	NE-EFF 102720	Total/NA	Water	3005A	
MB 480-556495/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-556495/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 557087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177183-1	NE-EFF 102720	Total/NA	Water	6010C	556495
MB 480-556495/1-A	Method Blank	Total/NA	Water	6010C	556495
LCS 480-556495/2-A	Lab Control Sample	Total/NA	Water	6010C	556495

Prep Batch: 558315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177183-1	NE-EFF 102720	Total/NA	Water	7470A	
MB 480-558315/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-558315/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 558416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177183-1	NE-EFF 102720	Total/NA	Water	7470A	558315
MB 480-558315/1-A	Method Blank	Total/NA	Water	7470A	558315
LCS 480-558315/2-A	Lab Control Sample	Total/NA	Water	7470A	558315

Lab Chronicle

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

Job ID: 480-177183-1

Client Sample ID: NE-EFF 102720

Lab Sample ID: 480-177183-1

Date Collected: 10/27/20 11:45

Matrix: Water

Date Received: 10/28/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	556128	10/28/20 15:34	WJD	TAL BUF
Total/NA	Prep	3005A			556495	10/29/20 16:58	ASD	TAL BUF
Total/NA	Analysis	6010C		1	557087	11/02/20 15:54	LMH	TAL BUF
Total/NA	Prep	7470A			558315	11/10/20 13:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	558416	11/10/20 17:03	BMB	TAL BUF

Client Sample ID: NE-INF 102720

Lab Sample ID: 480-177183-2

Date Collected: 10/27/20 11:50

Matrix: Water

Date Received: 10/28/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	556128	10/28/20 15:57	WJD	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177183-3

Date Collected: 10/23/20 00:00

Matrix: Water

Date Received: 10/28/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	556128	10/28/20 15:11	WJD	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: 480-177183-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total



Method Summary

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

Job ID: 480-177183-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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: 480-177183-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177183-1	NE-EFF 102720	Water	10/27/20 11:45	10/28/20 08:00	
480-177183-2	NE-INF 102720	Water	10/27/20 11:50	10/28/20 08:00	
480-177183-3	TRIP BLANK	Water	10/23/20 00:00	10/28/20 08:00	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Eurofins TestAmerica, Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone: 716-691-2600 Fax: 716-691-7991

Client Information		Sampler: SRG		Carrier Tracking No(s):		COC No: 480-144839-32251.1	
Client Contact: Mr. Patrick Sokolowski		Lab PM: Stone, Judy L		Page: Page 1 of 1		Job #:	
Company: Precision Environmental Services Inc.		E-Mail: Judy.Stone@Eurofinset.com		Analysis Requested			
Address: 804 State Route 67 Ste 20 Buffalo, NY 14202		Due Date Requested:		Preservation Codes: A - HCL B - NaOH M - Hexane			
City: Latham		TAT Requested (days): Stand.		 480-177183 Chain of Custody ydrate			
State, Zip: NY, 12110		PO #: Callout 138004		Other:			
Phone: 518-492-6626 (Tel)		WO #:		-			
Email: psokolowski@precision.com		Project #: 48021991		-			
Project Name: Northeast Alloys & Metals #633045		SSOW#:		-			
Site:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefliq, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Special Instructions/Note:
NE-EFF 102720	10/27/20	1145	G	Water	X	X	4
NE-INF 102720	10/27/20	1150	G	Water	X	X	3 Report in AECOM
Trip Blank	10/23/20	-	-	W	-	-	2 (MYSDEC EDD Format (4-tab))
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological							
Deliverable Requested: I, II, III, IV, Other (specify)							
Empty Kit Relinquished by:							
Relinquished by: <i>[Signature]</i>		Date/Time: 10-27-20 1440		Company: AECOM		Received by: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: 10/27/20 1700		Company: Eurofins		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 2.5			

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-177183-1

Login Number: 177183

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

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	
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	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	