

# Scott Figgie LLC

Scott Figgie LLC

c/o GSF Management Company LLC  
34407 DuPont Boulevard, Suite 6  
Frankford, DE 19945

October 21, 2020

Ms. Laura Surdej  
Erie County Department of Environment and Planning  
Division of Sewerage Management  
Erie County Sewer District # 6  
260 Lehigh Avenue  
Lackawanna, New York 14218

**RE: Fourth Quarter 2020 Discharge Monitoring Report  
Groundwater Remediation Operation  
25A Walter Winter Drive, Lancaster, New York 14086  
NYSDEC Site 9-15-149  
EC/BPDES Permit No. 18-10-E4054**

Dear Ms. Surdej:

AVOX Systems Inc. owns the subject property. Scott Figgie LLC is currently responsible for certain environmental activities at that property, including compliance with Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 18-10-E4054. Scott Figgie is pleased to provide you with the enclosed Fourth Quarter 2020 Discharge Monitoring Report for the groundwater remediation operation located on that property. This report is submitted in partial fulfillment of EC/BPDES Permit No. 18-10-E4054, effective October 1, 2018.

GSF Management Company LLC (GSF), an affiliate of Scott Figgie, is managing the remediation of groundwater on the subject property on behalf of Scott Figgie. Scott Figgie/GSF commissioned AECOM Technical Services, Inc. (AECOM), with an office located in Buffalo, New York, to perform the required EC/BPDES quarterly sampling during the month of October 2020 and to prepare the enclosed report with the results.

Figures 1 and 2 in the report depict the entire groundwater collection and treatment system that is covered by the subject permit.

I certify under the 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 systems, 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 a fine and imprisonment for known violations.

Scott Figgie or AVOX Systems Inc. will continue to monitor the influent and effluent of the active remediation system located at the site on a quarterly basis. The next quarterly discharge monitoring report is due by February 28, 2021 under permit 18-10-E4054.

Ms. Laura Surdej  
October 21, 2020  
Page 2

If you have any questions regarding this submittal, please do not hesitate to contact me or Troy Chute at the above address, or to send an email either to me at [stuart.rixman@gsfmanagementco.com](mailto:stuart.rixman@gsfmanagementco.com) or to Mr. Chute at [troy.chute@gsfmanagementco.com](mailto:troy.chute@gsfmanagementco.com).

Very truly yours,  
Scott Figgie LLC

A handwritten signature in blue ink that reads "Stuart I. Rixman". The signature is written in a cursive style.

Stuart I. Rixman  
Project Manager, GSF Management Company

\enclosures

cc: Mr. Al Alagna, Buffalo Sewer Authority (electronic copy sent by AECOM)  
Mr. Glenn May, NYSDEC Region 9 (electronic copy sent by AECOM)  
Mr. Troy Chute, GSF Management Company LLC (electronic copy sent by AECOM)  
Mr. Raymond DeCarlo, AVOX Systems Inc (electronic copy sent by AECOM)  
Mr. Allan Thomalla, AVOX Systems Inc (electronic copy sent by AECOM)  
Facility File, Lancaster, NY (hard copy sent by AECOM)

## TABLE

**Scott Technologies, Inc. - Groundwater Remediation Site  
Lancaster, New York**

EC/BPDES Permit No. 18-10-E4054

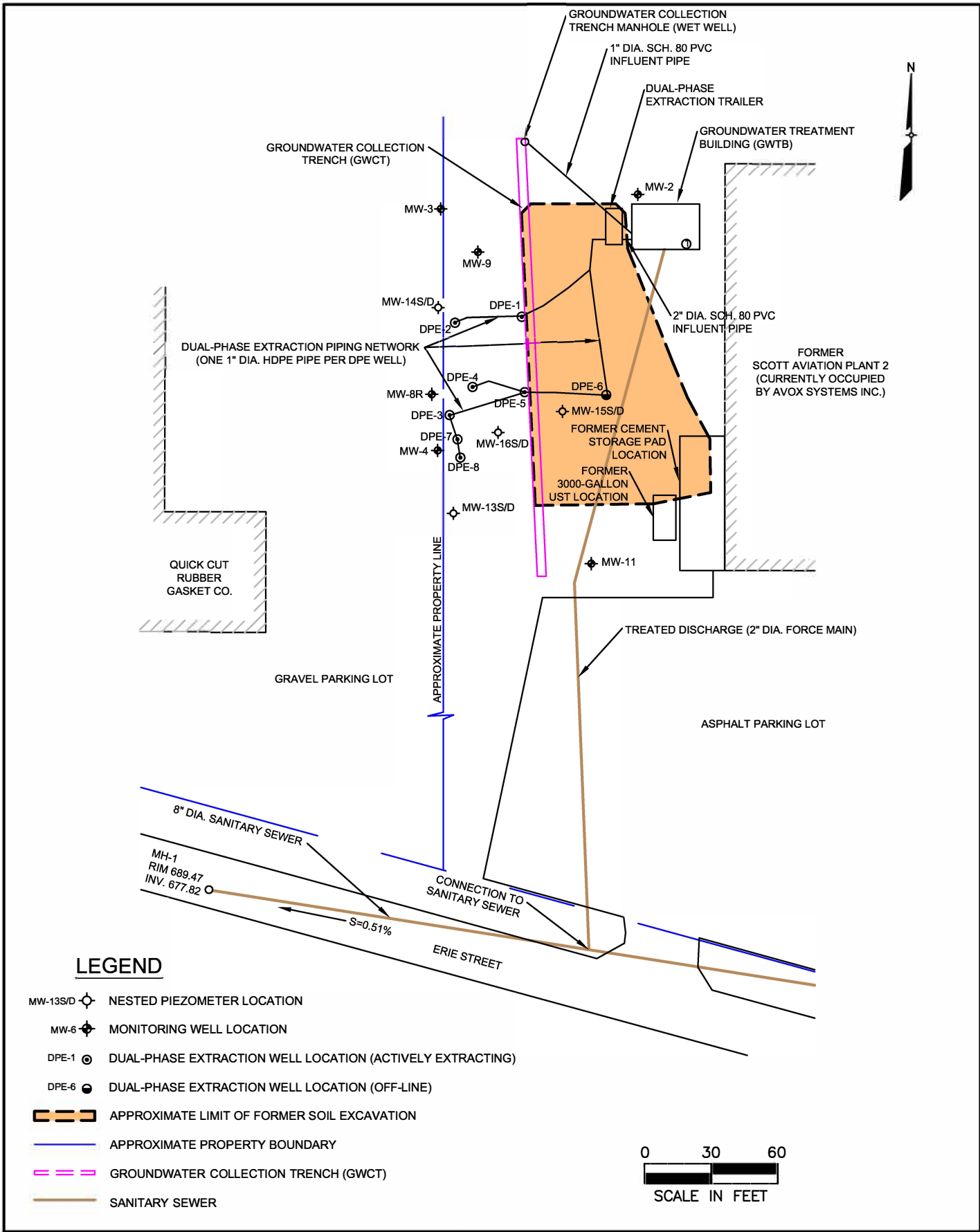
**Fourth Quarter 2020 Discharge Monitoring Report  
Sample Date - October 7, 2020**

Parameter	Units	Total Maximum Daily Load per Permit (pounds per day)	Measured or Calculated Daily Load (pounds per day)	Within Limits?
pH (Method SM 4500 H+ B)	SU	5 - 12	8.1	Y
Total Extractable Hydrocarbons (Method 1664B)	mg/L	100	< 4.8	Y
Total Suspended Solids (Method SM 2540D)	mg/L	250	< 4.0	Y
<u>VOCs (Method 8260C)</u>				
Methylene Chloride	lbs/day	0.12	< 0.000009	Y
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000009	Y
Trichloroethylene	lbs/day	0.04	< 0.000009	Y
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	0.000024	Y
1,1-Dichloroethane	lbs/day	0.0025	< 0.000009	Y
Chloroethane	lbs/day	0.025	< 0.000009	Y
Toluene	lbs/day	0.04	< 0.000009	Y
Total Daily Flow (discharge meter reading)	gallons per day	14,000	1,138	Y

Notes:

- SU standard units
- mg/L milligrams per liter
- ug/L micrograms per liter
- lbs/day pounds per day
- < (value) Indicates calculated concentration less than the reported value, using effluent reporting limit as maximum possible concentration.

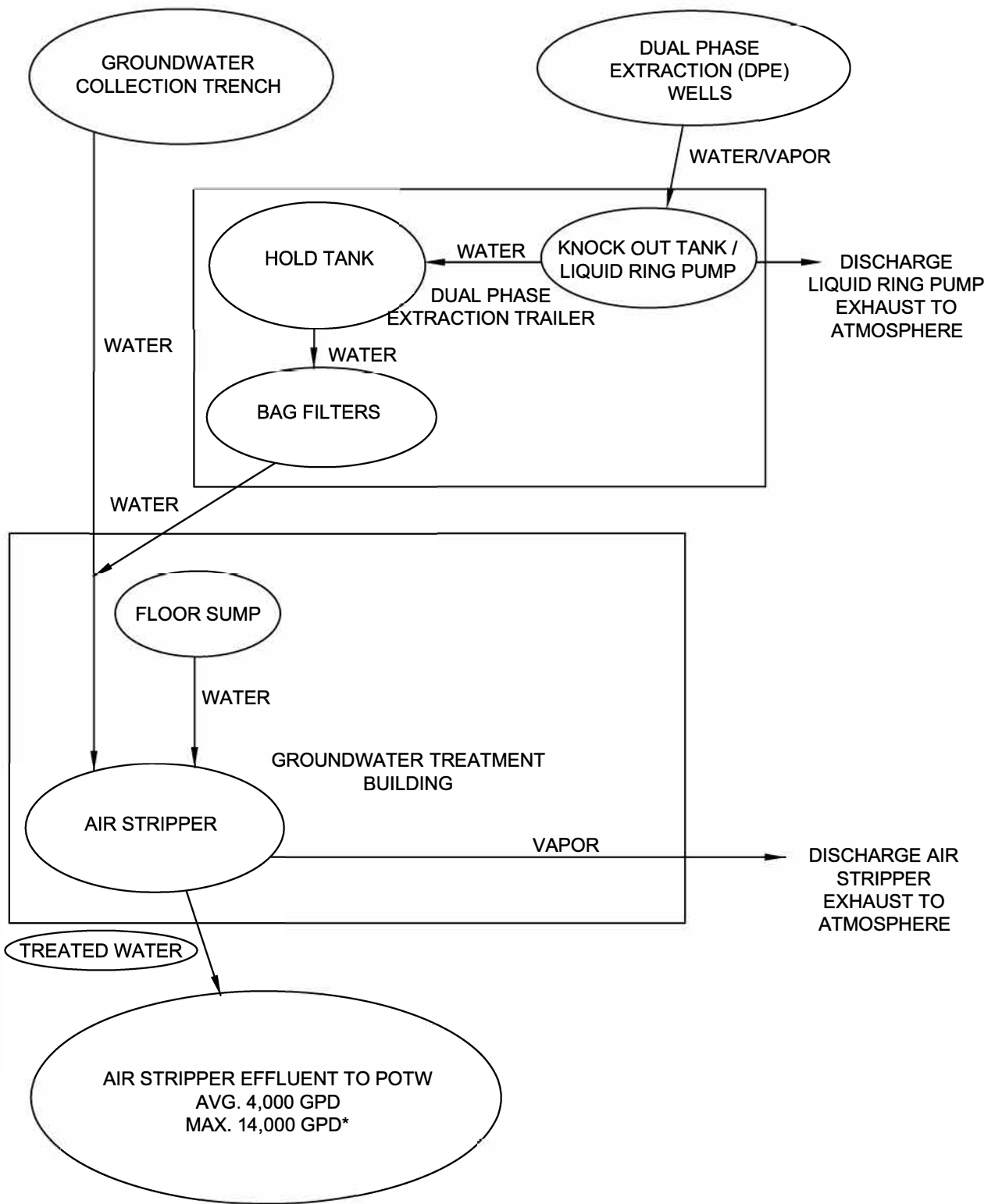
## FIGURES



**FIGURE 1  
SITE FEATURES MAP**

FORMER SCOTT AVIATION FACILITY  
LANCASTER, NEW YORK





\*PER DISCHARGE PERMIT NO. 18-10-E4054



FIGURE 2  
COMBINED DUAL PHASE EXTRACTION  
REMEDICATION SYSTEM FLOW DIAGRAM

FORMER SCOTT AVIATION FACILITY  
LANCASTER, NEW YORK

## DAILY FIELD LOG



**DAILY FIELD LOG**

**Project** Scott Figgie LLC, Groundwater Remediation Site, Lancaster, NY  
**Date** 7-Oct-20  
**Weather**  
**Temperature Range**  
**AECOM Personnel on Site** Dino Zack  
**Time on Site** 06:30 hrs to 16:00 hrs

**AS Totalizer Start Sampling (07:00 hrs)** 1,139,680 gallons  
**AS Totalizer After Sampling (15:00 hrs)** 1,140,370 gallons

**Summary of Sample Activities**

Time = 07:00 hrs  
 pH = 8  
 Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 10:30 hrs  
 pH = 8  
 Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

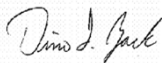
Time = 13:30 hrs  
 pH = 8  
 Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 15:00 hrs  
 pH = 8  
 Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

**Comments**

GWCT and DPE remedial systems running at time of sample collection. Maintain samples at 4 degrees C. Hand deliver samples to Eurofins TestAmerica Laboratories, Inc. (Amherst, NY) under COC for analysis. Request laboratory to composite 40-ml samples and analyze for VOCs (8260C). Request laboratory to analyze influent and effluent samples for TEH (1664A), TSS (SM 2540D), and pH (SM 4500 H+B).

**Signature:**



**Date:** 7-Oct-20

## **LABORATORY REPORT**

## ANALYTICAL REPORT

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

Laboratory Job ID: 480-176154-1  
Client Project/Site: Scott Figgie West of Plant 2

For:  
AECOM  
257 West Genesee Street  
Suite 400  
Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:  
10/16/2020 4:22:09 PM  
Rebecca Jones, Project Management Assistant I  
[Rebecca.Jones@Eurofinset.com](mailto:Rebecca.Jones@Eurofinset.com)

Designee for  
Brian Fischer, Manager of Project Management  
(716)504-9835  
[Brian.Fischer@Eurofinset.com](mailto:Brian.Fischer@Eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://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.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Client Sample Results . . . . .	5
Lab Chronicle . . . . .	11
Certification Summary . . . . .	12
Method Summary . . . . .	13
Sample Summary . . . . .	14
Receipt Checklists . . . . .	15
Chain of Custody . . . . .	16

# Definitions/Glossary

Client: AECOM

Job ID: 480-176154-1

Project/Site: Scott Figgie West of Plant 2

## 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.

### General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	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: AECOM  
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

---

## Job ID: 480-176154-1

---

Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

---

#### Job Narrative 480-176154-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/7/2020 4:33 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2° C.

#### GC/MS VOA

Method 8260C: The following volatile sample(s) was composited by the laboratory on 10/13/2020 as requested by the client: EFFLUENT (480-176154-1) and INFLUENT (480-176154-2). Regulatory defined guidance for in-laboratory compositing of samples is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-553595 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

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

#### General Chemistry

Method SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFFLUENT (480-176154-1) and INFLUENT (480-176154-2).

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

# Client Sample Results

Client: AECOM  
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 480-176154-1**

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

**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			10/13/20 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/20 11:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/20 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/20 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/20 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/20 11:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/20 11:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/20 11:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/20 11:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/20 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/20 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/20 11:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/20 11:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/20 11:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/20 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/20 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/20 11:40	1
<b>Acetone</b>	<b>3.1</b>	<b>J</b>	10	3.0	ug/L			10/13/20 11:40	1
Benzene	ND		1.0	0.41	ug/L			10/13/20 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/20 11:40	1
Bromoform	ND		1.0	0.26	ug/L			10/13/20 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/20 11:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/20 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/20 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/20 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/13/20 11:40	1
Chloroform	ND		1.0	0.34	ug/L			10/13/20 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/20 11:40	1
<b>cis-1,2-Dichloroethene</b>	<b>2.5</b>		1.0	0.81	ug/L			10/13/20 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/20 11:40	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/20 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/20 11:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/20 11:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/20 11:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/20 11:40	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/20 11:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/20 11:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/20 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/20 11:40	1
Styrene	ND		1.0	0.73	ug/L			10/13/20 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/13/20 11:40	1
Toluene	ND		1.0	0.51	ug/L			10/13/20 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/20 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/20 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/20 11:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/20 11:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/20 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/20 11:40	1

# Client Sample Results

Client: AECOM  
 Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 480-176154-1**

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		10/13/20 11:40	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/13/20 11:40	1
Toluene-d8 (Surr)	99		80 - 120		10/13/20 11:40	1
Dibromofluoromethane (Surr)	95		75 - 123		10/13/20 11:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		4.8	1.9	mg/L		10/08/20 17:42	10/08/20 18:40	1
Total Suspended Solids	ND		4.0	4.0	mg/L			10/08/20 21:24	1
pH	8.1	HF	0.1	0.1	SU			10/08/20 14:31	1
Temperature	20.2	HF	0.001	0.001	Degrees C			10/08/20 14:31	1



# Client Sample Results

Client: AECOM  
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: INFLUENT**

**Lab Sample ID: 480-176154-2**

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

**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			10/13/20 12:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/20 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/20 12:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/20 12:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/20 12:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/20 12:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/20 12:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/20 12:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/20 12:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/20 12:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/20 12:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/20 12:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/20 12:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/20 12:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/20 12:03	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/20 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/20 12:03	1
<b>Acetone</b>	<b>3.1</b>	<b>J</b>	10	3.0	ug/L			10/13/20 12:03	1
Benzene	ND		1.0	0.41	ug/L			10/13/20 12:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/20 12:03	1
Bromoform	ND		1.0	0.26	ug/L			10/13/20 12:03	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/20 12:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/20 12:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/20 12:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/20 12:03	1
Chloroethane	ND		1.0	0.32	ug/L			10/13/20 12:03	1
Chloroform	ND		1.0	0.34	ug/L			10/13/20 12:03	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/20 12:03	1
<b>cis-1,2-Dichloroethene</b>	<b>2.6</b>		1.0	0.81	ug/L			10/13/20 12:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/20 12:03	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/20 12:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/20 12:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/20 12:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/20 12:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/20 12:03	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/20 12:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/20 12:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/20 12:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/20 12:03	1
Styrene	ND		1.0	0.73	ug/L			10/13/20 12:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/13/20 12:03	1
Toluene	ND		1.0	0.51	ug/L			10/13/20 12:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/20 12:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/20 12:03	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/20 12:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/20 12:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/20 12:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/20 12:03	1

# Client Sample Results

Client: AECOM  
 Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: INFLUENT**

**Lab Sample ID: 480-176154-2**

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/13/20 12:03	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/13/20 12:03	1
Toluene-d8 (Surr)	100		80 - 120		10/13/20 12:03	1
Dibromofluoromethane (Surr)	95		75 - 123		10/13/20 12:03	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		5.0	1.9	mg/L		10/08/20 17:42	10/08/20 18:40	1
<b>Total Suspended Solids</b>	<b>10.8</b>		4.0	4.0	mg/L			10/08/20 21:24	1
<b>pH</b>	<b>8.0</b>	<b>HF</b>	0.1	0.1	SU			10/08/20 14:34	1
<b>Temperature</b>	<b>20.5</b>	<b>HF</b>	0.001	0.001	Degrees C			10/08/20 14:34	1

# Client Sample Results

Client: AECOM  
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-176154-3**

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

**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			10/13/20 12:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/20 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/20 12:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/20 12:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/20 12:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/20 12:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/20 12:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/20 12:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/20 12:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/20 12:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/20 12:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/20 12:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/20 12:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/20 12:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/20 12:26	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/20 12:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/20 12:26	1
Acetone	ND		10	3.0	ug/L			10/13/20 12:26	1
Benzene	ND		1.0	0.41	ug/L			10/13/20 12:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/20 12:26	1
Bromoform	ND		1.0	0.26	ug/L			10/13/20 12:26	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/20 12:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/20 12:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/20 12:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/20 12:26	1
Chloroethane	ND		1.0	0.32	ug/L			10/13/20 12:26	1
Chloroform	ND		1.0	0.34	ug/L			10/13/20 12:26	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/20 12:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/13/20 12:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/20 12:26	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/20 12:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/20 12:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/20 12:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/20 12:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/20 12:26	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/20 12:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/20 12:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/20 12:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/20 12:26	1
Styrene	ND		1.0	0.73	ug/L			10/13/20 12:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/13/20 12:26	1
Toluene	ND		1.0	0.51	ug/L			10/13/20 12:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/20 12:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/20 12:26	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/20 12:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/20 12:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/20 12:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/20 12:26	1

# Client Sample Results

Client: AECOM  
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-176154-3**

**Date Collected: 10/07/20 07:00**

**Matrix: Water**

**Date Received: 10/07/20 16:33**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/13/20 12:26	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/13/20 12:26	1
Toluene-d8 (Surr)	99		80 - 120		10/13/20 12:26	1
Dibromofluoromethane (Surr)	95		75 - 123		10/13/20 12:26	1

# Lab Chronicle

Client: AECOM  
 Project/Site: Scott Figgie West of Plant 2

Job ID: 480-176154-1

## Client Sample ID: EFFLUENT

Lab Sample ID: 480-176154-1

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553595	10/13/20 11:40	CRL	TAL BUF
Total/NA	Prep	1664B			553132	10/08/20 17:42	T1S	TAL BUF
Total/NA	Analysis	1664B		1	553154	10/08/20 18:40	T1S	TAL BUF
Total/NA	Analysis	SM 2540D		1	553173	10/08/20 21:24	E1T	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	553085	10/08/20 14:31	BEF	TAL BUF

## Client Sample ID: INFLUENT

Lab Sample ID: 480-176154-2

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553595	10/13/20 12:03	CRL	TAL BUF
Total/NA	Prep	1664B			553132	10/08/20 17:42	T1S	TAL BUF
Total/NA	Analysis	1664B		1	553154	10/08/20 18:40	T1S	TAL BUF
Total/NA	Analysis	SM 2540D		1	553173	10/08/20 21:24	E1T	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	553085	10/08/20 14:34	BEF	TAL BUF

## Client Sample ID: Trip Blank

Lab Sample ID: 480-176154-3

Date Collected: 10/07/20 07:00

Matrix: Water

Date Received: 10/07/20 16:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553595	10/13/20 12:26	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: AECOM

Job ID: 480-176154-1

Project/Site: Scott Figgie West of Plant 2

## 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
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature



# Method Summary

Client: AECOM

Job ID: 480-176154-1

Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
1664B	HEM and SGT-HEM	1664B	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

**Protocol References:**

1664B = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

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: AECOM

Job ID: 480-176154-1

Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-176154-1	EFFLUENT	Water	10/07/20 07:00	10/07/20 16:33	
480-176154-2	INFLUENT	Water	10/07/20 07:00	10/07/20 16:33	
480-176154-3	Trip Blank	Water	10/07/20 07:00	10/07/20 16:33	

1

2

3

4

5

6

7

8

9

10

11



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-176154-1

**Login Number: 176154**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

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	

**Eurofins TestAmerica, Buffalo**

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

**Chain of Custody Record**



<b>Client Information</b>		Sampler: <u>Dino Zack</u>		Lab PM: Fischer, Brian J		Carrier Tracking No(s):		COC No: 480-150351-1955.1								
Client Contact: Mr. Dino Zack		Phone: <u>716 866 8222</u>		E-Mail: Brian.Fischer@Eurofinset.com				Page: Page 1 of 1								
Company: AECOM				<b>Analysis Requested</b>				Job #:								
Address: 257 West Genesee Street Suite 400		Due Date Requested: <u>STD</u>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1664A - Total Petroleum Hydrocarbons (1664A)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">2540D - Total Suspended Solids</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SM4500_H+ - pH</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">8260C - TCL list O.L.M04.2</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1664A - Total Petroleum Hydrocarbons (1664A)	2540D - Total Suspended Solids	SM4500_H+ - pH	8260C - TCL list O.L.M04.2	Total Number of containers	<b>Preservation Codes:</b> 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 - Na2S2O3 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)	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1664A - Total Petroleum Hydrocarbons (1664A)	2540D - Total Suspended Solids					SM4500_H+ - pH	8260C - TCL list O.L.M04.2	Total Number of containers						
City: Buffalo		TAT Requested (days): <u>Per PO</u>														
State, Zip: NY, 14202-2657		PO #:														
Phone:		Purchase Order not requir														
Email: dino.zack@aecom.com		WO #:														
Project Name: Scott Figgie - Inf/Eff Event Desc: Influent/Effluent analysis		Project #: 48002539														
Site: New York		SSOW#:														
<b>Sample Identification</b>		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)	1664A - Total Petroleum Hydrocarbons (1664A)	2540D - Total Suspended Solids	SM4500_H+ - pH	8260C - TCL list O.L.M04.2	Total Number of containers	<b>Special Instructions/Note:</b>			
				Preservation Code:		S	N	N	A							
EFFLUENT		10/7/20	0700	G	Water	X	X	X	X							
INFLUENT		10/7/20	0700	C	Water	X	X	X	X							
Trip Blank		10/7/20	0700		Water					Y						