Scott Figgie LLC

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

October 21, 2022

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 2022 Discharge Monitoring Report
Groundwater Remediation Operation
25A Walter Winter Drive, Lancaster, New York 14086
NYSDEC Site 9-15-149
EC/BPDES Permit No. 21-10-E4054

Dear Ms. Surdej:

AVOX Systems Inc owns the subject property. Scott Figgie LLC (Scott Figgie) is currently responsible for certain environmental activities at that property, including compliance with Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 21-10-E4054. Scott Figgie is pleased to provide you with the enclosed Fourth Quarter 2022 Discharge Monitoring Report for the groundwater remediation operation located on that property. This report is submitted in partial fulfillment of EC/BPDES Permit No. 21-10-E4054, effective October 1, 2021.

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 Amherst, New York, to perform the required EC/BPDES quarterly sampling during the month of October 2022 and to prepare the enclosed report with the results.

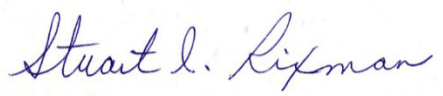
Figures 1 and 2 in the report depict the entire groundwater collection and treatment system that is covered by the subject permit.

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, 2023.

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 or to Mr. Chute at troy.chute@gsfmanagementco.com.

Very truly yours,
Scott Figgie LLC



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)
Mr. Hunter Bogdan, 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. 21-10-E4054

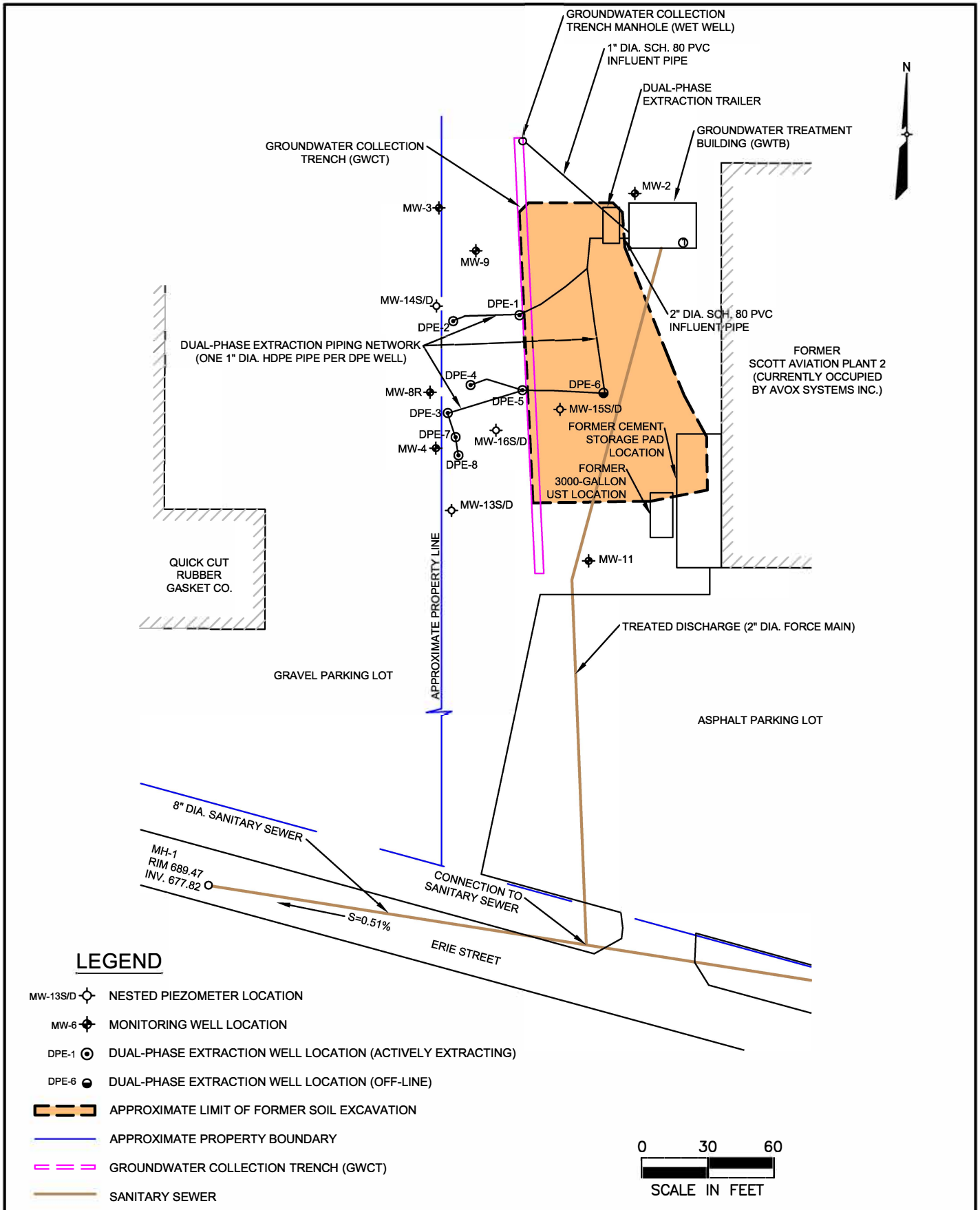
Fourth Quarter 2022 Discharge Monitoring Report
Sample Date - October 3, 2022

Parameter	Units	Total Maxium 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 J	**Y**
Total Suspended Solids (Method SM 2540D)	mg/L	250	5.2	**Y**
VOCs (Method 8260C)				
Methylene Chloride	lbs/day	0.12	< 0.000013	**Y**
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000013	**Y**
Trichloroethylene	lbs/day	0.04	< 0.000013	**Y**
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	< 0.000013	**Y**
1,1-Dichloroethane	lbs/day	0.0025	< 0.000013	**Y**
Chloroethane	lbs/day	0.025	< 0.000013	**Y**
Toluene	lbs/day	0.04	< 0.000013	**Y**
Total Daily Flow (discharge meter reading)	gallons per day	14,000	1,523	**Y**

Notes:

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

FIGURES



AECOM

FIGURE 1
WEST OF PLANT 2 SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Z:\Buffalo-USBUF1\DCS\Projects_ENV\60676130_West_of_Plant_2\900_CAD_GIS\910_CAD\2022\60676130_001 Site Features Map_Jan2022.dwg, 7/20/2022 8:11:09 AM, Adobe PDF

CONDENSATE RETURN LINES

VAPOR DISCHARGE TO ATMOSPHERE

OIL SEALED VACUUM BLOWER (LIQUID RING PUMP)

RECYCLE LINE

OIL FILTER RECYCLER

DUAL PHASE EXTRACTION TRAILER

PARTICULATE/LIQUID FILTER

DPE SYSTEM CONTROL PANEL

VAPOR / LIQUID PHASE SEPARATOR

H H
H L
L L

DPE-6 DPE-7 DPE-8

SPARE DPE-1 DPE-2 DPE-3 DPE-4 DPE-5

AUTO TRANSER PUMP

HOLD TANK

AUTO TRANSER PUMP

BAG FILTER #1

BAG FILTER #2

LEGEND

- DUAL PHASE EXTRACTION TRAILER
- GROUNDWATER TREATMENT BUILDING
- WATER
- AIR
- ELECTRIC
- H H HIGH HIGH
- H L HIGH LOW
- L L LOW LOW
- (T) TEMPERATURE GUAGE
- (P) PRESSURE GUAGE
- (G) FLOW GUAGE
- (V) VACUUM GUAGE
- (F) FLOW METER
- (S) SAMPLING PORT (MANUAL)
- BALL VALVE
- CHECK VALVE

VACUUM BLOWER

VAPOR DISCHARGE TO ATMOSPHERE

FLOOR SUMP

AIR BLEED VALVE

DROP TUBE

AIR STRIPPER SYSTEM CONTROL PANEL

AIR STRIPPER

GROUNDWATER TREATMENT BUILDING (GWTB)

DPE RECOVERY WELL (TYP)

SUBMURSIBLE PUMP

AUTO TRANSER PUMP

HEAT EXCHANGER (OFF-LINE)

GROUNDWATER COLLECTION TRENCH (GWCT) WET WELL

CONDENSATE RETURN LINES

TREATED WATER DISCHARGE TO SANITARY SEWER

FRESH AIR INTAKE

AECOM

FIGURE 2
PROCESS AND INSTRUMENTATION DIAGRAM FOR COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

DAILY FIELD LOG

AECOM

DAILY FIELD LOG

Project	Scott Figgie LLC, West of Plant 2 Groundwater Remediation Site, Lancaster, NY
Date	10/3/2022
Weather	Sunny
Temperature Range	50 degrees F
AECOM Personnel on Site	Dino Zack
Time on Site	06:15 hrs - 16:30 hrs

AS Totalizer Start Sampling (06:45 hrs)	2,322,250 gallons
AS Totalizer After Sampling (14:45 hrs)	2,323,060 gallons

Summary of Sample Activities

Time = 06:45hrs
pH = 8
Filled 2, 40-ml vials (preserved with HCl) from influent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality was clear with slight odor (no sheen).

Filled 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full from effluent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 09:30hrs
pH = 8
Filled 2, 40-ml vials (preserved with HCl) from influent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality was clear with slight odor (no sheen).

Filled 2, 40-ml vials (preserved with HCl) from effluent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full from effluent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 12:15hrs
pH = 8
Filled 2, 40-ml vials (preserved with HCl) from influent sample tap. Filed 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality was clear with slight odor (no sheen).

Filled 2, 40-ml vials (preserved with HCl) from effluent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full from effluent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 14:45hrs
pH = 8
Filled 2, 40-ml vials (preserved with HCl) from influent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality was clear with slight odor (no sheen).

Filled 2, 40-ml vials (preserved with HCl) from effluent sample tap. Filled 2, 1-L amber glass bottle (preserved with H_2SO_4) 1/4 full from effluent tap. Filled 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Filled 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Comments

GWCT remedial system running at time of sample collection. The DPE system was partially off line to accommodate the September 2021 bioaugmentation injection. Samples collected at equally spaced intervals over an 8-hour period.

Maintained samples at <4 degrees C. Hand delivered samples to Eurofins Environment Testing Northeast, LLC (Amherst, NY) under COC for analysis. Requested laboratory to composite 40-ml samples and analyze for VOCs (8260C). Requested laboratory to analyze influent and effluent samples for TEH (1664A), TSS (SM 2540D), and pH (SM 4500 H+).

Signature: Dino D. Zack **Date:** 3-Oct-22

LABORATORY REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-202259-1
Client Project/Site: Scott Figgie West of Plant 2

For:
AECOM
One John James Audubon Parkway
Suite 210
Amherst, New York 14228

Attn: Mr. Dino Zack

Authorized for release by:
10/17/2022 12:12:25 PM
Rebecca Jones, Project Management Assistant I
(716)504-9884
Rebecca.Jones@et.eurofinsus.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-202259-1
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.
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.
¤	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

Job ID: 480-202259-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-202259-1

Comments
No additional comments.

Receipt
The samples were received on 10/3/2022 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7º C.

GC/MS VOA
Method 8260C: The following Volatile samples were composited by the laboratory on 10/04/2022 as requested by the client: EFFLUENT (480-202259-1) and INFLUENT (480-202259-2). 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.

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

General Chemistry
Methods 9040C, 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 (480-202259-1) and INFLUENT (480-202259-2).

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

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: EFFLUENT
Lab Sample ID: 480-202259-1
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Method: SW846 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			10/04/22 16:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/22 16:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/04/22 16:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/22 16:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/22 16:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/22 16:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/04/22 16:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/04/22 16:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/04/22 16:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/04/22 16:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/22 16:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/22 16:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/04/22 16:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/04/22 16:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/22 16:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/22 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/22 16:04	1
Acetone	5.6	J	10	3.0	ug/L			10/04/22 16:04	1
Benzene	ND		1.0	0.41	ug/L			10/04/22 16:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/22 16:04	1
Bromoform	ND		1.0	0.26	ug/L			10/04/22 16:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/22 16:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/22 16:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/22 16:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/22 16:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/22 16:04	1
Chloroform	ND		1.0	0.34	ug/L			10/04/22 16:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/22 16:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/22 16:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/22 16:04	1
Cyclohexane	ND		1.0	0.18	ug/L			10/04/22 16:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/22 16:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/04/22 16:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/22 16:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/04/22 16:04	1
Methyl acetate	ND		2.5	1.3	ug/L			10/04/22 16:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/04/22 16:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/04/22 16:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/22 16:04	1
Styrene	ND		1.0	0.73	ug/L			10/04/22 16:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/22 16:04	1
Toluene	ND		1.0	0.51	ug/L			10/04/22 16:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/22 16:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/22 16:04	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/22 16:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/04/22 16:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/22 16:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/22 16:04	1

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: EFFLUENT
Lab Sample ID: 480-202259-1
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/04/22 16:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/04/22 16:04*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/04/22 16:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/04/22 16:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A) (1664B)	**4.8**	**J**	4.9	1.9	mg/L		10/07/22 15:16	10/07/22 18:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	**5.2**		4.0	4.0	mg/L			10/07/22 14:39	1
pH (SM 4500 H+ B)	**8.1**	**HF**	0.1	0.1	SU			10/11/22 09:54	1
Temperature (SM 4500 H+ B)	**19.9**	**HF**	0.001	0.001	Degrees C			10/11/22 09:54	1

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: INFLUENT
Lab Sample ID: 480-202259-2
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Method: SW846 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			10/04/22 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/22 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/04/22 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/22 16:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/22 16:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/22 16:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/04/22 16:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/04/22 16:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/04/22 16:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/04/22 16:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/22 16:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/22 16:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/04/22 16:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/04/22 16:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/22 16:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/22 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/22 16:27	1
Acetone	13		10	3.0	ug/L			10/04/22 16:27	1
Benzene	ND		1.0	0.41	ug/L			10/04/22 16:27	1
Bromodichloromethane	0.88	J	1.0	0.39	ug/L			10/04/22 16:27	1
Bromoform	ND		1.0	0.26	ug/L			10/04/22 16:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/22 16:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/22 16:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/22 16:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/22 16:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/22 16:27	1
Chloroform	3.4		1.0	0.34	ug/L			10/04/22 16:27	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/22 16:27	1
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L			10/04/22 16:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/22 16:27	1
Cyclohexane	ND		1.0	0.18	ug/L			10/04/22 16:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/22 16:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/04/22 16:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/22 16:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/04/22 16:27	1
Methyl acetate	ND		2.5	1.3	ug/L			10/04/22 16:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/04/22 16:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/04/22 16:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/22 16:27	1
Styrene	ND		1.0	0.73	ug/L			10/04/22 16:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/22 16:27	1
Toluene	ND		1.0	0.51	ug/L			10/04/22 16:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/22 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/22 16:27	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/22 16:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/04/22 16:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/22 16:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/22 16:27	1

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: INFLUENT
Lab Sample ID: 480-202259-2
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/04/22 16:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/04/22 16:27*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/04/22 16:27*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/04/22 16:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A) (1664B)	**4.5**	**J**	4.9	1.9	mg/L		10/07/22 15:16	10/07/22 18:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0	4.0	mg/L			10/07/22 14:39	1
pH (SM 4500 H+ B)	**7.7**	**HF**	0.1	0.1	SU			10/11/22 09:54	1
Temperature (SM 4500 H+ B)	**20.5**	**HF**	0.001	0.001	Degrees C			10/11/22 09:54	1

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

Job ID: 480-202259-1

Client Sample ID: Trip Blank
Date Collected: 10/03/22 06:45
Date Received: 10/03/22 15:15

Lab Sample ID: 480-202259-3
Matrix: Water

Method: SW846 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			10/04/22 16:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/22 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/04/22 16:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/22 16:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/22 16:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/22 16:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/04/22 16:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/04/22 16:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/04/22 16:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/04/22 16:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/22 16:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/22 16:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/04/22 16:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/04/22 16:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/22 16:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/22 16:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/22 16:50	1
Acetone	ND		10	3.0	ug/L			10/04/22 16:50	1
Benzene	ND		1.0	0.41	ug/L			10/04/22 16:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/22 16:50	1
Bromoform	ND		1.0	0.26	ug/L			10/04/22 16:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/22 16:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/22 16:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/22 16:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/22 16:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/22 16:50	1
Chloroform	ND		1.0	0.34	ug/L			10/04/22 16:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/22 16:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/22 16:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/22 16:50	1
Cyclohexane	ND		1.0	0.18	ug/L			10/04/22 16:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/22 16:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/04/22 16:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/22 16:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/04/22 16:50	1
Methyl acetate	ND		2.5	1.3	ug/L			10/04/22 16:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/04/22 16:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/04/22 16:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/22 16:50	1
Styrene	ND		1.0	0.73	ug/L			10/04/22 16:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/22 16:50	1
Toluene	ND		1.0	0.51	ug/L			10/04/22 16:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/22 16:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/22 16:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/22 16:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/04/22 16:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/22 16:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/22 16:50	1

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank
Lab Sample ID: 480-202259-3
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/04/22 16:50	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/04/22 16:50	1
Toluene-d8 (Surr)	101		80 - 120		10/04/22 16:50	1
Dibromofluoromethane (Surr)	91		75 - 123		10/04/22 16:50	1

Lab Chronicle

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: EFFLUENT
Lab Sample ID: 480-202259-1
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	643832	ATG	EET BUF	10/04/22 16:04
Total/NA	Prep	1664B			644508	EJL	EET BUF	10/07/22 15:16
Total/NA	Analysis	1664B		1	644544	EJL	EET BUF	10/07/22 18:27
Total/NA	Analysis	SM 2540D		1	644501	SAK	EET BUF	10/07/22 14:39
Total/NA	Analysis	SM 4500 H+ B		1	644861	ARR	EET BUF	10/11/22 09:54

Client Sample ID: INFLUENT
Lab Sample ID: 480-202259-2
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	643832	ATG	EET BUF	10/04/22 16:27
Total/NA	Prep	1664B			644508	EJL	EET BUF	10/07/22 15:16
Total/NA	Analysis	1664B		1	644544	EJL	EET BUF	10/07/22 18:27
Total/NA	Analysis	SM 2540D		1	644501	SAK	EET BUF	10/07/22 14:39
Total/NA	Analysis	SM 4500 H+ B		1	644861	ARR	EET BUF	10/11/22 09:54

Client Sample ID: Trip Blank
Lab Sample ID: 480-202259-3
Date Collected: 10/03/22 06:45
Matrix: Water
Date Received: 10/03/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	643832	ATG	EET BUF	10/04/22 16:50

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins 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	03-31-23

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: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

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

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

Sample Summary

Client: AECOM
Job ID: 480-202259-1
Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202259-1	EFFLUENT	Water	10/03/22 06:45	10/03/22 15:15
480-202259-2	INFLUENT	Water	10/03/22 06:45	10/03/22 15:15
480-202259-3	Trip Blank	Water	10/03/22 06:45	10/03/22 15:15

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-202259-1

Login Number: 202259

List Number: 1

Creator: Sabuda, Brendan D

List Source: Eurofins 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	4.7 #1 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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Dino Zack	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-176678-1955.1
Client Contact: Mr. Dino Zack	Phone: 716 866 8222	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: One John James Audubon Parkway Suite 210	Due Date Requested: STD			
City: Amherst	TAT Requested (days): STD			
State, Zip: NY, 14228	Compliance Project: Δ Yes Δ No			
Phone: 716-866-8222	PO #: 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#:			

Analysis Requested

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)	1664A_Calc - Total Petroleum Hydrocarbons (1664A)	2540D - Total Suspended Solids	SM4500_H+ - pH	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
Preservation Code:							S	N	N	A		
EFFLUENT	10/3/22	0645	C	Water			X	X	X	X		Comp. Grab #1, #2, #3, #4 for VOC
INFLUENT	10/3/22	0645	C	Water			X	X	X	X		Comp. Grab #1, #2, #3, #4 for VOC
Trip Blank	10/3/22	0645	G	Water						X		

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

480-202259 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: (Dino Zack)	Date/Time: 10/3/22 1515	Company: AECOM	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time	Company
10-3-22 1515	JAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and ~~Other~~ Remarks: 4.7 #1 Ice

Ver: 06/08/2021

10/17/2022