Scott Figgie LLC

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

May 8, 2017

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: Second Quarter 2017 Discharge Monitoring Report
Groundwater Remediation Operation
25A Walter Winter Drive, Lancaster, New York 14086
NYSDEC Site 9-15-149
EC/BPDES Permit No. 15-10-E4054

Dear Ms. Surdej:

AVOX Systems Inc. owns the subject property. Scott Figgie LLC is responsible for certain environmental activities at that property, including compliance with Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 15-10-E4054. Scott Figgie is pleased to provide you with the enclosed Second Quarter 2017 Discharge Monitoring Report for the groundwater remediation operation located on that property. This report is submitted in partial fulfillment of EC/BPDES Permit No. 15-10-E4054, effective October 1, 2015.

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 April 2017 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 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 August 31, 2017.

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 Co LLC (electronic copy sent by AECOM)
Ms. Jennifer Davide, 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. 15-10-E4054

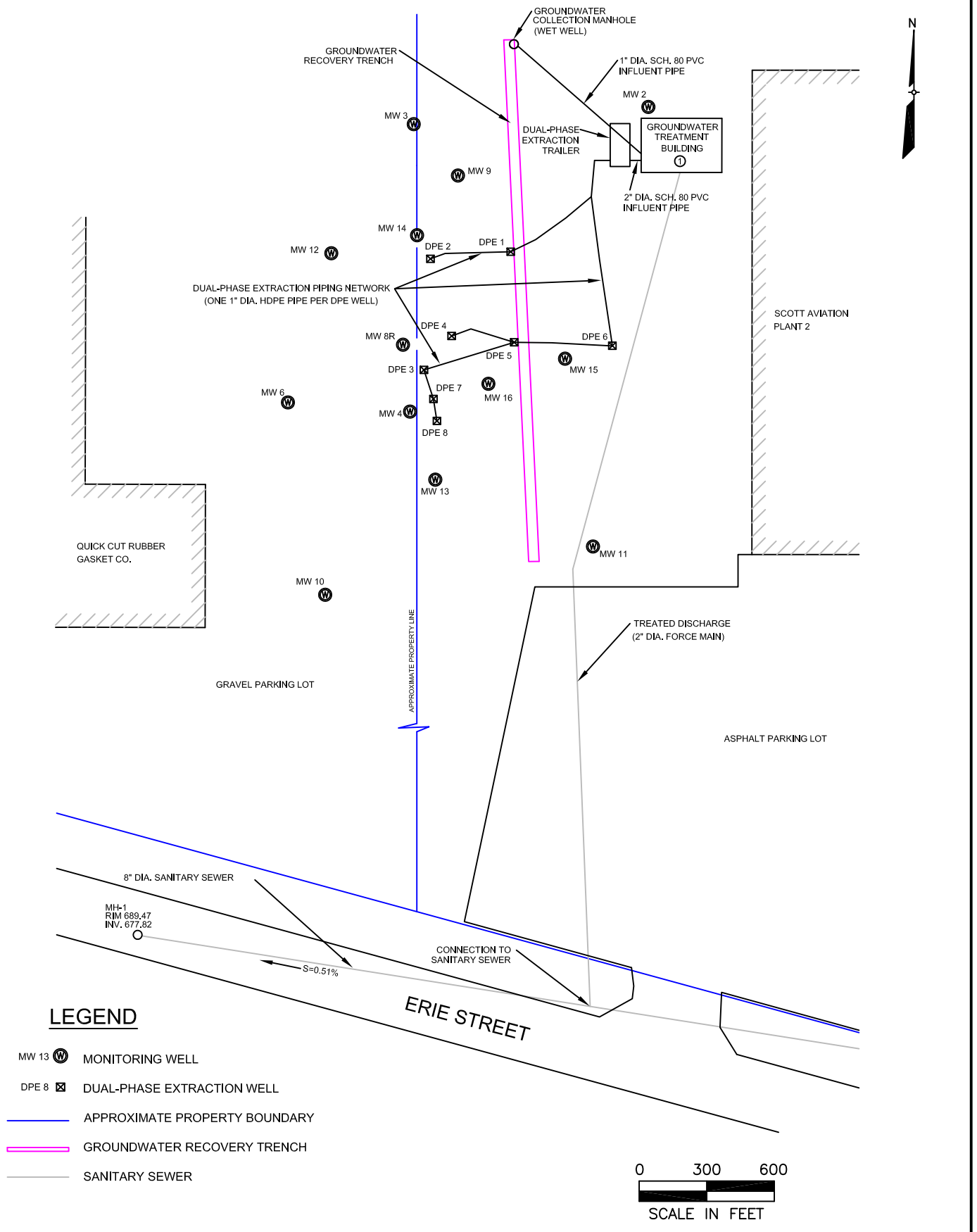
Second Quarter 2017 Discharge Monitoring Report
Sample Date - April 13, 2017

Parameter	Units	Total Maxium Daily Load (pounds per day)	Measured or Calculated Daily Load (Pounds per day)	Within Limits?
pH (Method SM 4500 H+ B)	SU	5 - 12	7.4	**Y**
Total Extractable Hydrocarbons (Method 1664A)	mg/L	100	< 4.9	**Y**
Total Suspended Solids (Method SM 2540D)	mg/L	250	6.4	**Y**
VOCs (Method 8260C)				
Methylene Chloride	lbs/day	0.12	< 0.000020	**Y**
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000020	**Y**
Trichloroethylene	lbs/day	0.04	< 0.000020	**Y**
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	0.000022	**Y**
1,1-Dichloroethane	lbs/day	0.0025	< 0.000020	**Y**
Chloroethane	lbs/day	0.025	< 0.000020	**Y**
Toluene	lbs/day	0.04	< 0.000020	**Y**
Total Daily Flow (discharge meter reading)	gallons per day	14,000	2,430	**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



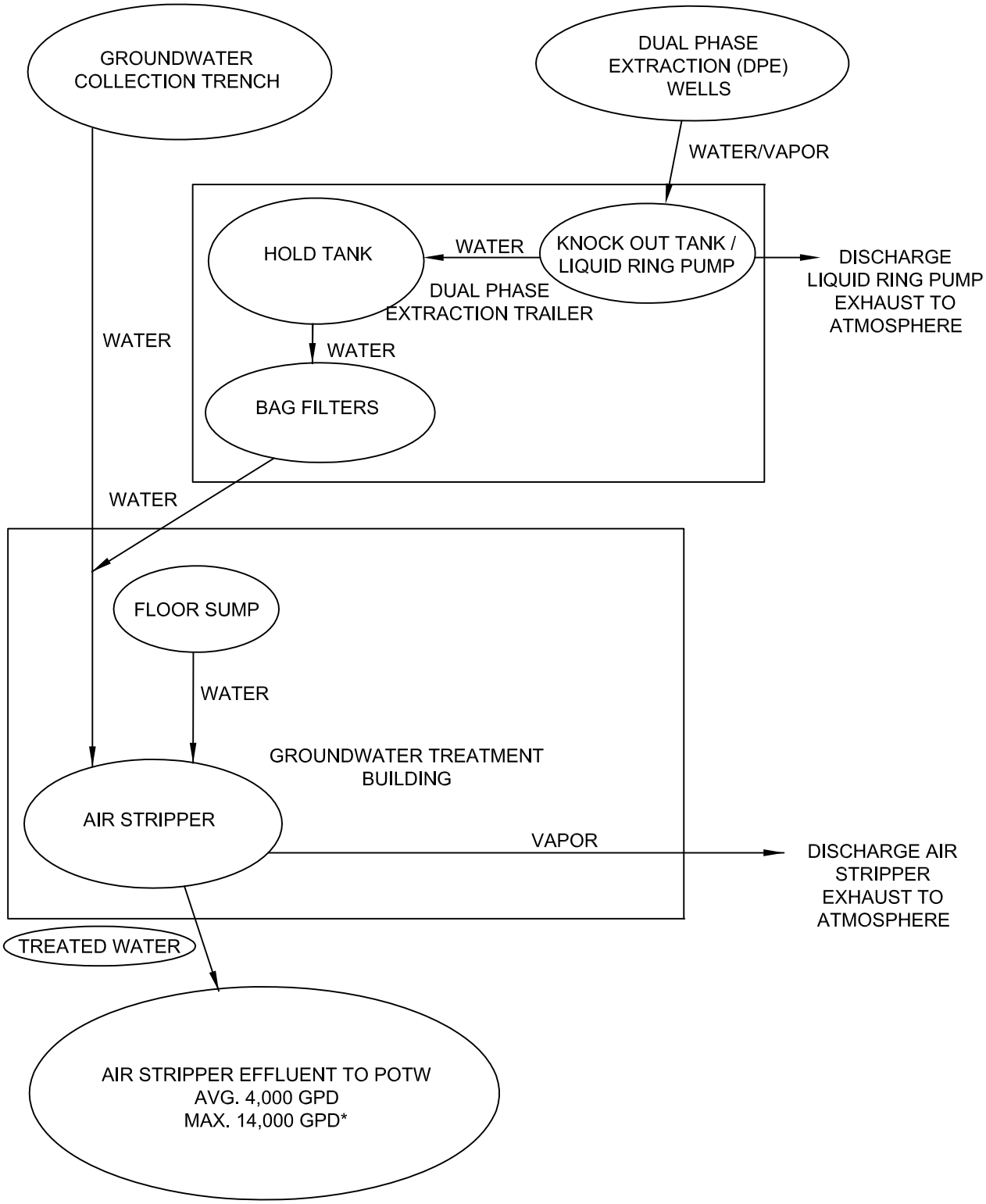
AECOM

FIGURE 1
DUAL PHASE EXTRACTION SYSTEM LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

60288479

L:\work\71149\CADD\71149_056 Dual Phase Extract Sys Loc Map.dwg, 7/24/2013 4:42:33 PM, Splawnm



*PER DISCHARGE PERMIT NO. 14-04-E4045

AECOM

FIGURE 2
COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM FLOW DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

60288479

L:\work\71149\CADD\71149_051 Combined Dual Ph Ext Rem Sys Flow Dia.dwg, 7/24/2013 4:41:11 PM, Splawnm

DAILY FIELD LOG

DAILY FIELD LOG

AECOM

Project	Scott Technologies, Inc., Groundwater Remediation Site, Lancaster, NY
Date	13-Apr-17
Weather	cloudy
Temperature Range	35-55 degrees F
AECOM Personnel on Site	Dino Zack
Time on Site	07:30 - 17:30 hrs

Air Stripper Totalizer Start Sampling	1,111,135 gallons	8:00 hrs
Air Stripper Totalizer After Sampling	1,111,284 gallons	16:00 hrs

Summary of Sample Activities

Time = 08:00
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

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

Time = 10:15
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

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

Time = 12:30
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

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

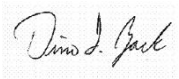
Time = 15:45
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

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

Comments

DPE and GWCT running at time of sample collection.

Maintain samples at 4 degrees C. Hand deliver samples to 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: 13-Apr-17

LABORATORY REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-116302-1
Client Project/Site: Scott Figgie West of Plant 2

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

Attn: Mr. Dino Zack

Joseph V. Giacomazza

Authorized for release by:
4/28/2017 10:21:27 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

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

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

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

Table of Contents

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

TestAmerica Job ID: 480-116302-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.

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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Job ID: 480-116302-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-116302-1

Receipt
The samples were received on 4/14/2017 1:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-354054 recovered above the upper control limit for Trichlorofluoromethane and 2-Butanone(MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: Trip Blank (480-116302-3).

Method(s) 8260C: The Laboratory Control Sample (LCS) for analytical batch 354054 was outside laboratory project quality control limits for the following analyte: Trichlorofluoromethane. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. Reanalysis was not performed due to holding time limitations. The following sample is impacted: Trip Blank (480-116302-3).

Method(s) 8260C: The initial calibration curve associated with analytical batch 354054 was outside acceptance criteria for Trichlorofluoromethane. Reanalysis was not performed due to holding time limitations. The following sample is impacted: Trip Blank (480-116302-3).

Method(s) 8260C: The initial calibration verification (ICV) associated with analytical batch 354054 was above the upper control limit for Trichlorofluoromethane. Sample results were non-detects, and have been reported as qualified data. The following samples were non detect for the affected analyte, therefore, the data have been reported: Trip Blank (480-116302-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-354083 recovered above the upper control limit for 2-Butanone. The samples associated with this CCV had no detects above the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The following sample is impacted: EFFLUENT (480-116302-1).

Method(s) 8260C: Surrogate recovery for the following sample was above acceptance limits: EFFLUENT (480-116302-1). Due to holding time limitations the sample was not reanalyzed.

Method(s) 8260C: The results reported for the following sample do not concur with results previously reported for this site: EFFLUENT (480-116302-1) and INFLUENT (480-116302-2). Reanalysis was performed, and the result(s) confirmed.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-354083 was outside the method criteria, biased high, for the following analyte: 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. Due to holding time limitations the sample was not reanalyzed. The following sample is impacted: INFLUENT (480-116302-2).

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

General Chemistry
Method(s) 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 sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFFLUENT (480-116302-1) and INFLUENT (480-116302-2).

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

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: EFFLUENT
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/17 19:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/17 19:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/17 19:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/17 19:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/17 19:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/17 19:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/17 19:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/17 19:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/17 19:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/17 19:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/17 19:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/17 19:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/17 19:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/17 19:55	1
2-Butanone (MEK)	**6.2**	**J**	10	1.3	ug/L			04/26/17 19:55	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/17 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/17 19:55	1
Acetone	**11**		10	3.0	ug/L			04/26/17 19:55	1
Benzene	ND		1.0	0.41	ug/L			04/26/17 19:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/17 19:55	1
Bromoform	ND		1.0	0.26	ug/L			04/26/17 19:55	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/17 19:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/17 19:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/17 19:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/17 19:55	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/17 19:55	1
Chloroform	ND		1.0	0.34	ug/L			04/26/17 19:55	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/17 19:55	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			04/26/17 19:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/17 19:55	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/17 19:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/17 19:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/17 19:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/17 19:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/17 19:55	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/17 19:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/17 19:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/17 19:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/17 19:55	1
Styrene	ND		1.0	0.73	ug/L			04/26/17 19:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/17 19:55	1
Toluene	ND		1.0	0.51	ug/L			04/26/17 19:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/17 19:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/17 19:55	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/17 19:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/17 19:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/17 19:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/17 19:55	1

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: EFFLUENT
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*	*X*	*77 - 120*		*04/26/17 19:55*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/26/17 19:55*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/26/17 19:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		4.9	1.9	mg/L		04/25/17 17:07	04/25/17 17:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**6.4**		4.0	4.0	mg/L			04/19/17 00:59	1
pH	**7.8**	**HF**	0.1	0.1	SU			04/19/17 18:32	1
Temperature	**20.2**	**HF**	0.001	0.001	Degrees C			04/19/17 18:32	1

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: INFLUENT
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/17 20:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/17 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/17 20:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/17 20:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/17 20:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/17 20:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/17 20:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/17 20:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/17 20:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/17 20:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/17 20:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/17 20:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/17 20:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/17 20:22	1
2-Butanone (MEK)	**18**		10	1.3	ug/L			04/26/17 20:22	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/17 20:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/17 20:22	1
Acetone	**24**		10	3.0	ug/L			04/26/17 20:22	1
Benzene	ND		1.0	0.41	ug/L			04/26/17 20:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/17 20:22	1
Bromoform	ND		1.0	0.26	ug/L			04/26/17 20:22	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/17 20:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/17 20:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/17 20:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/17 20:22	1
Chloroethane	**0.85**	**J**	1.0	0.32	ug/L			04/26/17 20:22	1
Chloroform	ND		1.0	0.34	ug/L			04/26/17 20:22	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/17 20:22	1
cis-1,2-Dichloroethene	**12**		1.0	0.81	ug/L			04/26/17 20:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/17 20:22	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/17 20:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/17 20:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/17 20:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/17 20:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/17 20:22	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/17 20:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/17 20:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/17 20:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/17 20:22	1
Styrene	ND		1.0	0.73	ug/L			04/26/17 20:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/17 20:22	1
Toluene	ND		1.0	0.51	ug/L			04/26/17 20:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/17 20:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/17 20:22	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/17 20:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/17 20:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/17 20:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/17 20:22	1

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: INFLUENT
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 120*		*04/26/17 20:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/26/17 20:22*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/26/17 20:22*	*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		04/25/17 17:07	04/25/17 17:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/19/17 00:59	1
pH	**7.9**	**HF**	0.1	0.1	SU			04/19/17 18:34	1
Temperature	**20.5**	**HF**	0.001	0.001	Degrees C			04/19/17 18:34	1

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: Trip Blank
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/17 11:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/17 11:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/17 11:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/17 11:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/17 11:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/17 11:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/17 11:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/17 11:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/17 11:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/17 11:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/17 11:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/17 11:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/17 11:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/17 11:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/17 11:22	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/17 11:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/17 11:22	1
Acetone	ND		10	3.0	ug/L			04/26/17 11:22	1
Benzene	ND		1.0	0.41	ug/L			04/26/17 11:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/17 11:22	1
Bromoform	ND		1.0	0.26	ug/L			04/26/17 11:22	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/17 11:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/17 11:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/17 11:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/17 11:22	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/17 11:22	1
Chloroform	ND		1.0	0.34	ug/L			04/26/17 11:22	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/17 11:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/26/17 11:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/17 11:22	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/17 11:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/17 11:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/17 11:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/17 11:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/17 11:22	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/17 11:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/17 11:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/17 11:22	1
Methylene Chloride	**0.46**	**J B**	1.0	0.44	ug/L			04/26/17 11:22	1
Styrene	ND		1.0	0.73	ug/L			04/26/17 11:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/17 11:22	1
Toluene	ND		1.0	0.51	ug/L			04/26/17 11:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/17 11:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/17 11:22	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/17 11:22	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/26/17 11:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/17 11:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/17 11:22	1

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: Trip Blank
Date Collected: 04/13/17 08:00
Date Received: 04/14/17 13:45

Lab Sample ID: 480-116302-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/26/17 11:22	1
4-Bromofluorobenzene (Surr)	102		73 - 120		04/26/17 11:22	1
Toluene-d8 (Surr)	104		80 - 120		04/26/17 11:22	1

Lab Chronicle

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

TestAmerica Job ID: 480-116302-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-116302-1

Date Collected: 04/13/17 08:00

Matrix: Water

Date Received: 04/14/17 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	354083	04/26/17 19:55	ARS	TAL BUF
Total/NA	Prep	1664A			353956	04/25/17 17:07	DSC	TAL BUF
Total/NA	Analysis	1664A		1	353968	04/25/17 17:07	DSC	TAL BUF
Total/NA	Analysis	SM 2540D		1	352704	04/19/17 00:59	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	352945	04/19/17 18:32	DSC	TAL BUF

Client Sample ID: INFLUENT

Lab Sample ID: 480-116302-2

Date Collected: 04/13/17 08:00

Matrix: Water

Date Received: 04/14/17 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	354083	04/26/17 20:22	ARS	TAL BUF
Total/NA	Prep	1664A			353956	04/25/17 17:07	DSC	TAL BUF
Total/NA	Analysis	1664A		1	353968	04/25/17 17:07	DSC	TAL BUF
Total/NA	Analysis	SM 2540D		1	352704	04/19/17 00:59	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	352945	04/19/17 18:34	DSC	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-116302-3

Date Collected: 04/13/17 08:00

Matrix: Water

Date Received: 04/14/17 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	354054	04/26/17 11:22	ARS	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-116302-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

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

TestAmerica Job ID: 480-116302-1

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

Protocol References:

1664A = 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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-116302-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-116302-1	EFFLUENT	Water	04/13/17 08:00	04/14/17 13:45
480-116302-2	INFLUENT	Water	04/13/17 08:00	04/14/17 13:45
480-116302-3	Trip Blank	Water	04/13/17 08:00	04/14/17 13:45

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-116302-1

Login Number: 116302

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl 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.	N/A	
Chlorine Residual checked.	N/A	

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: DLZ	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-95220-1955.1
Client Contact: Mr. Dino Zack	Phone: 716-866-8222	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: AECOM, Inc.				Job #:
Address: 257 West Genesee Street Suite 400	Due Date Requested: STD TAT			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202-2657				
Phone: 716-923-1125	PO #: Purchase Order not requir			
Email: dino.zack@aecom.com	WO #:			
Project Name: Scott Aviation site/ Event Desc: Influent/Effluent analysis	Project #: 48002539			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - 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)

Other:

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	4/13/17	0800	G	Water			X	X	X	X		
INFLUENT	4/13/17	0800	G	Water			X	X	X	X		
Trip Blank	4/13/17	0800		Water						X		

480-116302 COC

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:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Dino Zack	4/13/17 1630	AECOM		4.14.17 1330	TAL
2		4.14.17 1345			4/14/17 1345	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6 #1

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4/28/2017