Tyco
9 Roszel Road
Princeton, NJ 08540 USA

February 6, 2013

Ms. Laura Surdej
Erie County Department of Environment & Planning
Southtowns Sewage Treatment Plant
S-3690 Lakeshore Boulevard
Buffalo, New York 14219

RE: First Quarter 2013 Discharge Monitoring Report
Scott Technologies, Inc., Groundwater Remediation Site, Lancaster, New York
NYSDEC Site 9-15-149
EC/BPDES Permit No. 11-03-E4045

Dear Ms. Surdej:

Scott Technologies, Inc. is pleased to provide you with the enclosed First Quarter 2013 Discharge Monitoring Report for the Scott Technologies Groundwater Remediation Site located at AVOX Systems Inc., 25A Walter Winter Drive, Lancaster, New York 14086. This report is submitted in partial fulfillment of Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 11-03-E4045, effective April 1, 2011.

Scott Technologies commissioned AECOM, with an office located in Amherst, New York, to perform the required EC/BPDES quarterly sampling during the month of January 2013 and to prepare the enclosed report with the results.

We certify under the penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for known violations. We will continue to monitor the influent and effluent of the active remediation system located at the Site on a quarterly basis. The next scheduled quarterly discharge monitoring report is due by May 31, 2013.

If you have any questions regarding this submittal, please do not hesitate to contact me at the above address or srixman@tyco.com.

Very truly yours,
Scott Technologies, Inc.

Stuart I. Rixman
Manager, EHS Compliance Assurance & Remediation
Tyco International

\enclosures

cc: Mr. Dennis Young, Buffalo Sewer Authority (electronic copy sent by AECOM)
Mr. Glenn May, NYSDEC Region 9 (electronic copy sent by AECOM)
Ms. Deanna Ripstein, NYSDOH Western Region (electronic copy sent by AECOM)
Ms. Jennifer Davide, AVOX Systems Inc. (electronic copy sent by AECOM)
Mr. Eric Frauen, O&M, Inc. (electronic copy sent by AECOM)
Mr. Joseph Janeczek, Tyco International (electronic copy)
Facility File, Lancaster, NY (hard copy sent by AECOM)

TABLE

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

EC/BPDES Permit No. 11-03-E4045

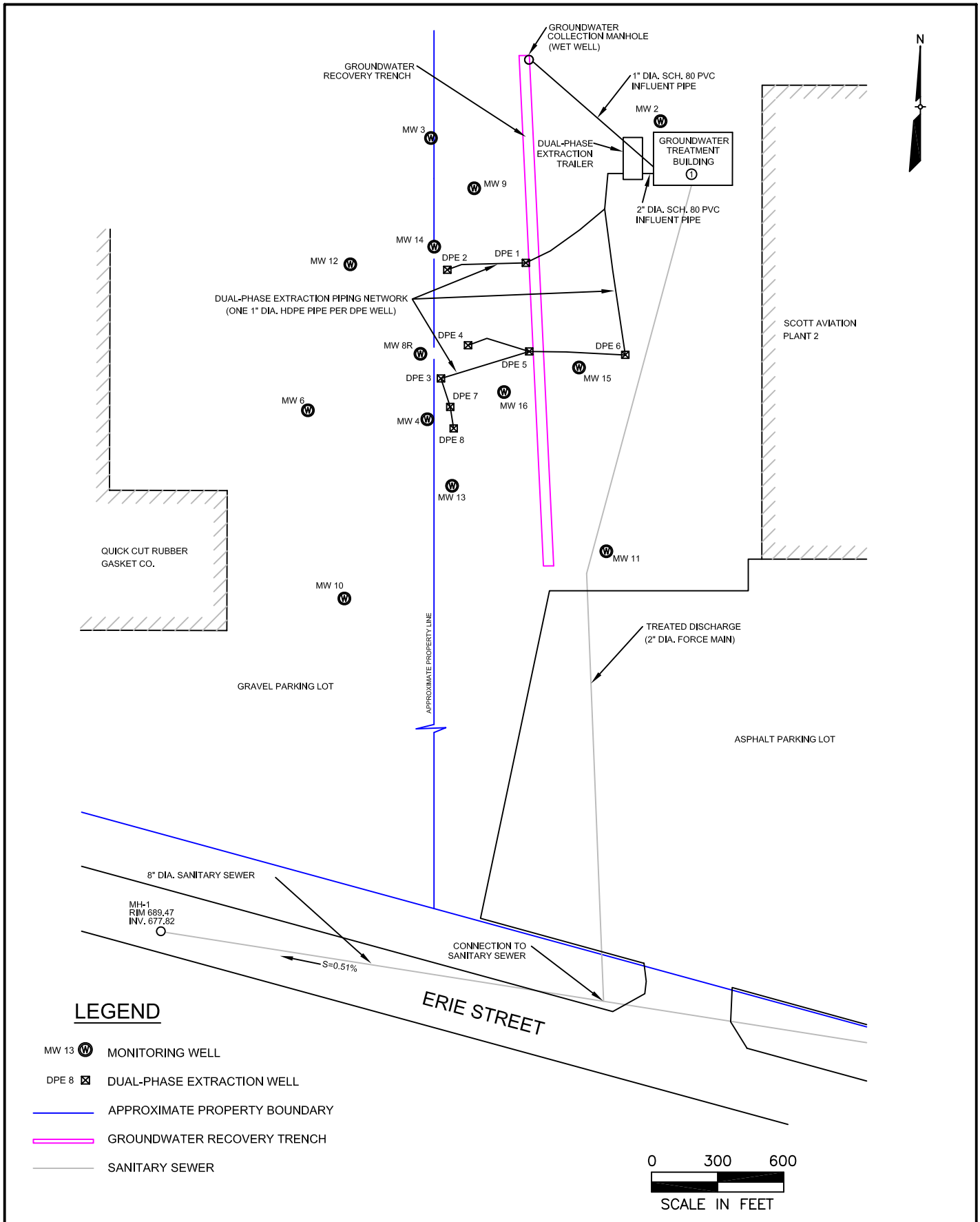
First Quarter 2013 Discharge Monitoring Report
Sample Date - January 21, 2013

Parameter	Units	Discharge Limitations Daily Max	Calculated Daily Value	Within Limits?
pH (method 160.1)	SU	5 - 12	8.3	**Y**
Total Extractable Hydrocarbons (method 1664 SGT)	mg/L	100	< 5.0	**Y**
Total Suspended Solids (method 160.2)	mg/L	250	256	**N**
VOCs (ASP00 method 8260)				
Methylene Chloride	lbs/day	0.12	< 0.000011	**Y**
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000011	**Y**
Trichloroethylene	lbs/day	0.04	0.000632	**Y**
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	0.001032	**Y**
1,1-Dichloroethane	lbs/day	0.0025	0.000028	**Y**
Chloroethane	lbs/day	0.025	< 0.000011	**Y**
Toluene	lbs/day	0.004	< 0.000011	**Y**
Total Daily Flow (discharge meter reading)	gallons per day	14,000	1,262	**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
DPE system was not running during sample collection.

FIGURES

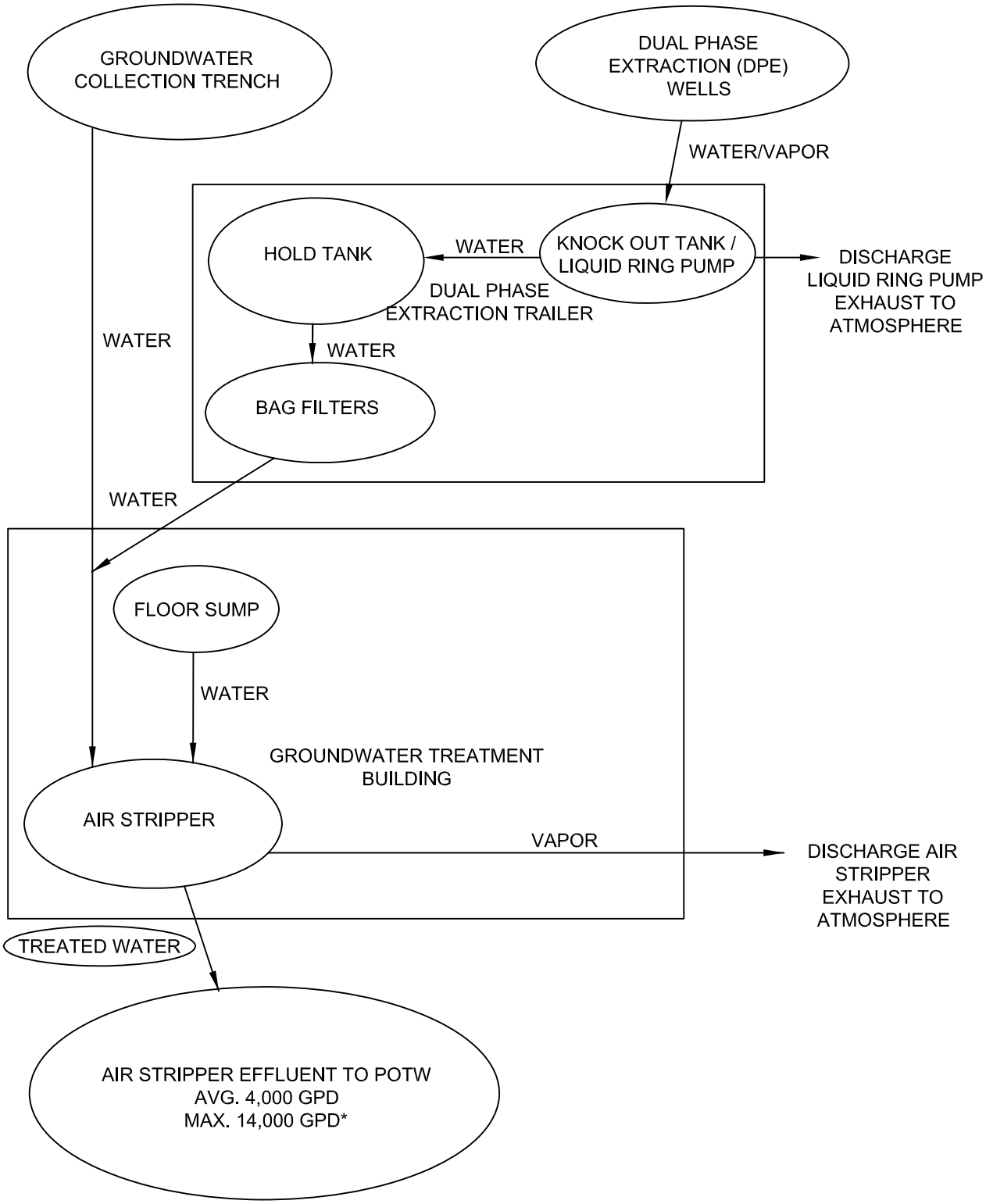


AECOM

FIGURE 1
DUAL PHASE EXTRACTION SYSTEM LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

60147012



*PER DISCHARGE PERMIT NO. 08-02-E4045

AECOM

FIGURE 2
COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM FLOW DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

60147012

DAILY FIELD LOG

DAILY FIELD LOG

AECOM

Project	Scott Technologies, Inc., Groundwater Remediation Site, Lancaster, NY
Date	21-Jan-13
Weather	Cloudy with snow
Temperature Range	20-30 deg F
AECOM Personnel on Site	Dino Zack
Time on Site	07:30 - 16:30 hrs

Air Stripper Totalizer Before Sampling	515,475	gallons	8:00 hrs
Air Stripper Totalizer After Sampling	515,864	gallons	16:00 hrs

Summary of Sample Activities

Time = 08:00 hrs
pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 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 1, 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 = 10:30 hrs
pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 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 1, 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 = 13:30 hrs
pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 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 1, 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 = 16:00 hrs
pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 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 1, 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 system and GWCT running at time of sample collection.

Air samples collected on 1/21/13 at 08:00 hrs from AS effluent and LRP effluent for TO-15 analysis.

Maintain samples at 4 degrees C. Hand deliver samples to TestAmerica Laboratories, Inc. (Amherst, NY) under COC on 1/22/13 for analysis. Request laboratory to composite 40-ml samples and analyze for VOCs (8260; TCL and STARS). Request laboratory to analyze influent and effluent samples for TEH (1664), TSS (160.2), and pH.

Signature: Dino J. Zack **Date:** 22-Jan-13

LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

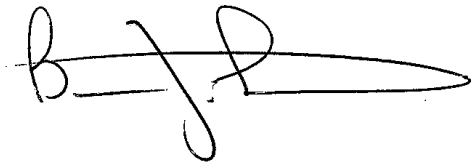
Job Number: 480-31902-1

Job Description: Scott Aviation site

Sampling Event: Influent/Effluent analysis

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226

Attention: Mr. Dino Zack



Approved for release.
Brian Fischer
Project Manager II
1/31/2013 3:39 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
01/31/2013

cc: Ms. Helen Jones

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Job Narrative
480-31902-1

Comments
No additional comments.

Receipt
The samples were received on 1/22/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was composited by the laboratory on 1/24/13 as requested on the chain-of-custody: EFFLUENT (480-31902-1), INFLUENT (480-31902-6).

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-31902-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The Matrix Spike Blank recovery for batch 480-100892 was outside TestAmerica's statistically developed internal laboratory QC limitsfor some analytes. These analytes were not requested spiking compounds; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for these analytes.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: EFFLUENT (480-31902-1), INFLUENT (480-31902-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was composited by the laboratory on 1/25/2013 as requested on the chain-of-custody: EFFLUENT (480-31902-1), INFLUENT (480-31902-6).

Method(s) 8260B: The Matrix Spike Blank recovery for batch 480-101032 was outside TestAmerica's statistically developed internal laboratory QC limits some analytes. These analytes were not requested spiking compounds; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for these analytes.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 1664A: The matrix spike (MS) recovery for batch 100966 was outside control limits for SGT-HEM. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-31902-6 MS)

Method(s) SM 2540D: The results reported for the following sample(s) do not concur with results previously reported for this site: EFFLUENT (480-31902-1), INFLUENT (480-31902-6). Reanalysis was performed, and the result(s) confirmed.

Method(s) 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(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFFLUENT (480-31902-1), INFLUENT (480-31902-6)

No other analytical or quality issues were noted.

SAMPLE SUMMARY

Client: AECOM, Inc. Job Number: 480-31902-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-31902-1	EFFLUENT	Water	01/21/2013 0800	01/22/2013 0900
480-31902-6	INFLUENT	Water	01/21/2013 0800	01/22/2013 0900
480-31902-11TB	Trip Blank	Water	01/21/2013 0800	01/22/2013 0900

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc. Job Number: 480-31902-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-31902-1	**EFFLUENT**					
1,1-Dichloroethane		2.7		1.0	ug/L	8260B
Acetone		16		10	ug/L	8260B
cis-1,2-Dichloroethene		98		2.0	ug/L	8260B
Trichloroethene		60		1.0	ug/L	8260B
Vinyl chloride		2.2		1.0	ug/L	8260B
Total Suspended Solids		256		4.0	mg/L	SM 2540D
pH		8.30	HF	0.100	SU	SM 4500 H+ B
480-31902-6	**INFLUENT**					
1,1,1-Trichloroethane		1.7	J	2.0	ug/L	8260B
1,1-Dichloroethane		6.8		2.0	ug/L	8260B
Acetone		22		20	ug/L	8260B
cis-1,2-Dichloroethene		290		5.0	ug/L	8260B
Trichloroethene		170		2.0	ug/L	8260B
Vinyl chloride		5.6		2.0	ug/L	8260B
Total Suspended Solids		422		4.0	mg/L	SM 2540D
pH		8.25	HF	0.100	SU	SM 4500 H+ B

METHOD SUMMARY

Client: AECOM, Inc. Job Number: 480-31902-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
HEM and SGT-HEM	TAL BUF	1664A 1664A	
HEM and SGT-HEM (SPE)	TAL BUF		1664A 1664A
Solids, Total Suspended (TSS)	TAL BUF	SM SM 2540D	
pH	TAL BUF	SM SM 4500 H+ B	

Lab References:

TAL BUF = TestAmerica Buffalo

Method 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.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc. Job Number: 480-31902-1

Method	Analyst	Analyst ID
SW846 8260B	Hill, Leah	LH
1664A 1664A	Leader, Michael	ML
SM SM 2540D	Sobol, Kevin	KS
SM SM 4500 H+ B	Sobol, Kevin	KS

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 480-31902-1 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26345.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1446			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1446				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	2.7		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	16		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	110	E	0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	60		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 480-31902-1 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26345.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1446			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1446				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2.2		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	102		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 480-31902-1 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-101032	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26375.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/25/2013 1524	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	01/25/2013 1524				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.62	2.0
1,1-Dichloroethane	2.4		0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2,4-Trichlorobenzene	ND		0.82	2.0
1,2-Dibromo-3-Chloropropane	ND		0.78	2.0
1,2-Dibromoethane	ND		1.5	2.0
1,2-Dichlorobenzene	ND		1.6	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
1,3-Dichlorobenzene	ND		1.6	2.0
1,4-Dichlorobenzene	ND		1.7	2.0
2-Hexanone	ND		2.5	10
2-Butanone (MEK)	ND		2.6	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	15	J	6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Dibromochloromethane	ND		0.64	2.0
Chloroethane	ND		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	98		1.6	2.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Cyclohexane	ND		0.36	2.0
Dichlorodifluoromethane	ND		1.4	2.0
Ethylbenzene	ND		1.5	2.0
Isopropylbenzene	ND		1.6	2.0
Methyl acetate	ND		1.0	2.0
Methyl tert-butyl ether	ND		0.32	2.0
Methylcyclohexane	ND		0.32	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	ND		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	ND		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	52		0.92	2.0
Trichlorofluoromethane	ND		1.8	2.0

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 480-31902-1 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-101032	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26375.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/25/2013 1524	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	01/25/2013 1524				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.8	J	1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	87		73 - 120

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 480-31902-6 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26346.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1511			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1511				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.7	J	1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.62	2.0
1,1-Dichloroethane	6.8		0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2,4-Trichlorobenzene	ND		0.82	2.0
1,2-Dibromo-3-Chloropropane	ND		0.78	2.0
1,2-Dibromoethane	ND		1.5	2.0
1,2-Dichlorobenzene	ND		1.6	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
1,3-Dichlorobenzene	ND		1.6	2.0
1,4-Dichlorobenzene	ND		1.7	2.0
2-Hexanone	ND		2.5	10
2-Butanone (MEK)	ND		2.6	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	22		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Dibromochloromethane	ND		0.64	2.0
Chloroethane	ND		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	300	E	1.6	2.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Cyclohexane	ND		0.36	2.0
Dichlorodifluoromethane	ND		1.4	2.0
Ethylbenzene	ND		1.5	2.0
Isopropylbenzene	ND		1.6	2.0
Methyl acetate	ND		1.0	2.0
Methyl tert-butyl ether	ND		0.32	2.0
Methylcyclohexane	ND		0.32	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	ND		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	ND		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	170		0.92	2.0
Trichlorofluoromethane	ND		1.8	2.0

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 480-31902-6 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26346.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1511			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1511				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	5.6		1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 480-31902-6 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-101032	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26376.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/25/2013 1549	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	01/25/2013 1549				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1-Dichloroethane	6.9		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	23	J	15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	290		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	160		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 480-31902-6 Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-101032	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26376.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/25/2013 1549	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	01/25/2013 1549				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	6.1		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	92		71 - 126
4-Bromofluorobenzene (Surr)	89		73 - 120

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 480-31902-11TB Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26347.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1536			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: AECOM, Inc. Job Number: 480-31902-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 480-31902-11TB Date Sampled: 01/21/2013 0800
Client Matrix: Water Date Received: 01/22/2013 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-100892	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C26347.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/24/2013 1536			Final Weight/Volume:	5 mL
Prep Date:	01/24/2013 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	87		73 - 120

General Chemistry

Client Sample ID: **EFFLUENT**

Lab Sample ID: 480-31902-1 Date Sampled: 01/21/2013 0800

Client Matrix: Water Date Received: 01/22/2013 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Petroleum Hydrocarbons (1664A)	ND		mg/L	1.9	5.0	1.0	1664A
Analysis Batch: 480-100966	Analysis Date: 01/24/2013 1648						
Prep Batch: 480-100964	Prep Date: 01/24/2013 1648						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	256		mg/L	4.0	4.0	1.0	SM 2540D
Analysis Batch: 480-100652	Analysis Date: 01/22/2013 2018						
pH	8.30	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 480-100651	Analysis Date: 01/22/2013 1832						

General Chemistry

Client Sample ID: **INFLUENT**

Lab Sample ID: 480-31902-6 Date Sampled: 01/21/2013 0800

Client Matrix: Water Date Received: 01/22/2013 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Petroleum Hydrocarbons (1664A)	ND		mg/L	1.9	5.0	1.0	1664A
Analysis Batch: 480-100966	Analysis Date: 01/24/2013 1700						
Prep Batch: 480-100964	Prep Date: 01/24/2013 1700						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	422		mg/L	4.0	4.0	1.0	SM 2540D
Analysis Batch: 480-100652	Analysis Date: 01/22/2013 2021						
pH	8.25	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 480-100651	Analysis Date: 01/22/2013 1840						

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Dina Zack	1/21/13	241345
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
100 Corporate Pkwy	716-836-4506	BUF	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Amherst / NY	~~B. Fisher~~ D. Zack	D. Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
Scott Aviation 1Q13 (NY)			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TPH-1664A	VOC-8260B	TSS-2540D	pH-SM4500
Influent - 1Q13	1/21/13	0800		X			2	2		8			X	X	X	X
Effluent - 1Q13	1/21/13	0800		X			2	2		8			X	X	X	X
Trip Blank	1/21/13	0800		X						2				X		

Special Instructions/ Conditions of Receipt

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STD

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	1/21/13	1615hrs	1. Received By	1/21/13	1615
2. Relinquished By	1/22/13	9:00	2. Received By	1/22/13	0900
3. Relinquished By			3. Received By		

Comments: Composite Grab #1, #2, #3, #4 Influent VOC & Effluent VOC #3 3.8

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-31902-1

Login Number: 31902

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary

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.	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	