



Stuart I. Rixman
Manager, EHS Compliance
Assurance & Remediation

Tyco International
9 Roszel Road
Princeton, NJ 08540

October 31, 2012

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

RE: Fourth Quarter 2012 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 Fourth Quarter 2012 Discharge Monitoring Report for the Scott Technologies, Inc., Groundwater Remediation Site located at AVOX Systems Inc., 25A Walter Winter Drive, Lancaster, New York. 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, Inc. commissioned AECOM, with an office located in Amherst, New York, to perform the required EC/BPDES quarterly sampling during the month of October 2012.

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 February 28, 2013.

If you have any questions regarding this submission, please do not hesitate to contact me.

Very truly yours,
Scott Technologies, Inc.

A handwritten signature in blue ink that reads "Stuart I. Rixman".

Stuart I. Rixman
Tyco International

Ms. Laura Surdej
October 31, 2012
Page 2

\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)
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

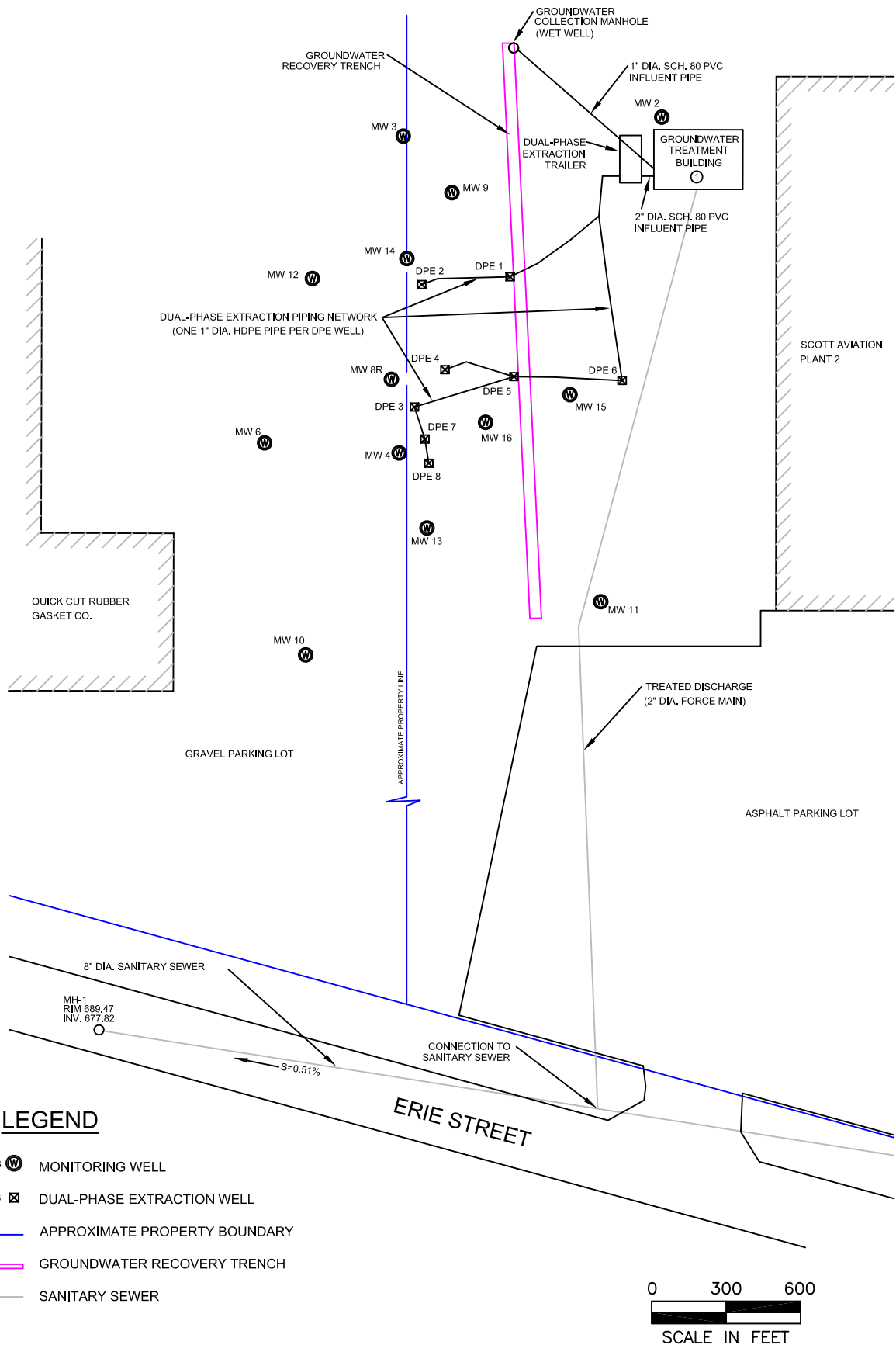
**Fourth Quarter 2012 Discharge Monitoring Report
Sample Date - October 11, 2012**

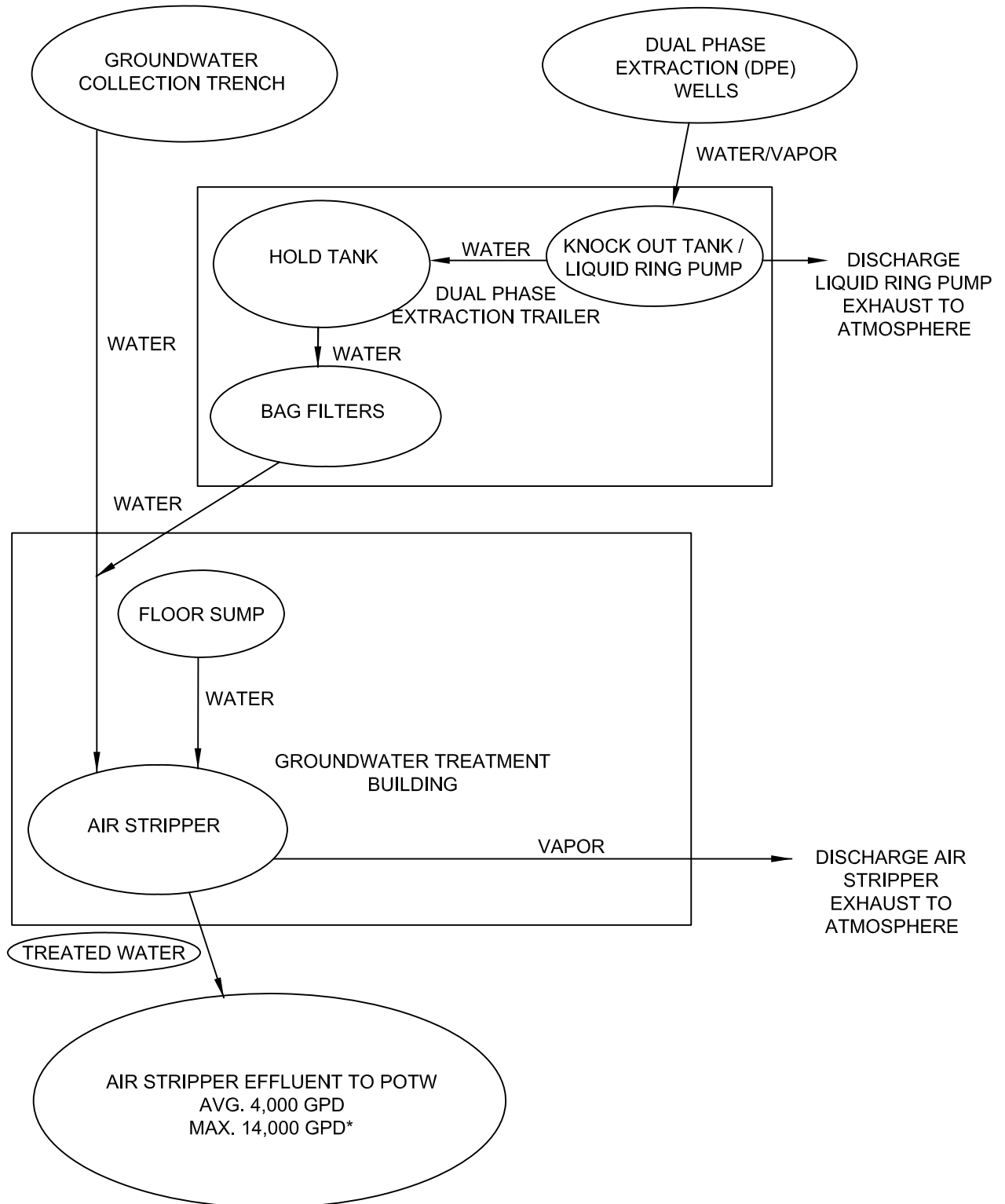
Parameter	Units	Discharge Limitations Daily Max	Calculated Daily Value	Within Limits?
pH (method 160.1)	SU	5 - 12	8.38	Y
Total Extractable Hydrocarbons (method 1664 SGT)	mg/L	100	< 5.0	Y
Total Suspended Solids (method 160.2)	mg/L	250	7.2	Y
<u>VOCs (ASP00 method 8260)</u>				
Methylene Chloride	lbs/day	0.12	< 0.000008	Y
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000008	Y
Trichloroethylene	lbs/day	0.04	0.000018	Y
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	0.000045	Y
1,1-Dichloroethane	lbs/day	0.0025	< 0.000008	Y
Chloroethane	lbs/day	0.025	< 0.000008	Y
Toluene	lbs/day	0.004	< 0.000008	Y
Total Daily Flow (discharge meter reading)	gallons per day	14,000	907	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





*PER DISCHARGE PERMIT NO. 08-02-E4045



FIGURE 2
COMBINED DUAL PHASE EXTRACTION
REMEDATION SYSTEM FLOW DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

DAILY FIELD LOG

DAILY FIELD LOG

AECOM

Project Scott Technologies, Inc., Groundwater Remediation Site, Lancaster, NY
Date 11-Oct-12
Weather Sunny
Temperature Range 45-60 deg F
AECOM Personnel on Site Dino Zack
Time on Site 07:00 - 16:30 hrs

Air Stripper Totalizer Before Sampling	389,409 gallons	7:30 hrs
Air Stripper Totalizer After Sampling	389,683 gallons	15:30 hrs

Summary of Sample Activities

Time = 07:30 hrs

pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 1-L clear glass bottle (preserved with H₂SO₄) 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 H₂SO₄) 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 = 10:00 hrs

pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 1-L clear glass bottle (preserved with H₂SO₄) 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 H₂SO₄) 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 = 13:00 hrs

pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 1-L clear glass bottle (preserved with H₂SO₄) 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 H₂SO₄) 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 = 15:30 hrs

pH = 8

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 1-L clear glass bottle (preserved with H₂SO₄) 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 H₂SO₄) 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.

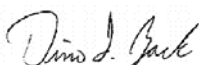
Comments

DPE system and GWCT running at time of sample collection.

Air samples collected on 10/11/12 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 10/12/12 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:



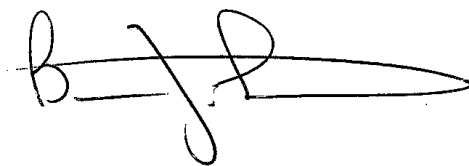
Date: 12-Oct-12

LABORATORY REPORT

ANALYTICAL REPORT

Job Number: 480-26605-1
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
10/25/2012 4:30 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
10/25/2012

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
480-26605-1

Comments

No additional comments.

Receipt

The samples were received on 10/12/2012 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-26605-2DL). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was composited by the laboratory on 10/19/12 as requested on the chain-of-custody: INFLUENT (480-26605-2).

No other analytical or quality issues were noted.

General Chemistry

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 (480-26605-1), INFLUENT (480-26605-2)

No other analytical or quality issues were noted.

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-26605-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-26605-1	EFFLUENT	Water	10/11/2012 0730	10/12/2012 1640
480-26605-2	INFLUENT	Water	10/11/2012 0730	10/12/2012 1640
480-26605-3TB	Trip Blank	Water	10/11/2012 0730	10/12/2012 1640

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-26605-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26605-1	EFFLUENT					
Acetone		3.1	J	10	ug/L	8260B
cis-1,2-Dichloroethene		5.9		1.0	ug/L	8260B
Trichloroethene		2.4		1.0	ug/L	8260B
Total Suspended Solids		7.2		4.0	mg/L	SM 2540D
pH		8.38	HF	0.100	SU	SM 4500 H+ B
480-26605-2	INFLUENT					
1,1-Dichloroethane		2.9		1.0	ug/L	8260B
Acetone		5.5	J	10	ug/L	8260B
Chloroethane		1.3		1.0	ug/L	8260B
cis-1,2-Dichloroethene		140		2.0	ug/L	8260B
Trichloroethene		62		1.0	ug/L	8260B
Vinyl chloride		0.91	J	1.0	ug/L	8260B
Total Suspended Solids		17.2		4.0	mg/L	SM 2540D
pH		8.34	HF	0.100	SU	SM 4500 H+ B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-26605-1

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: 480-26605-1

Method	Analyst	Analyst ID
SW846 8260B	Dias, Nicole	ND
SW846 8260B	Hill, Leah	LH
1664A 1664A	Wolfe, Larry A	LAW
SM SM 2540D	Sobol, Kevin	KS
SM SM 4500 H+ B	Sobol, Kevin	KS

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-26605-1

Client Matrix: Water

Date Sampled: 10/11/2012 0730

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23201.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1340			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1340				

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	3.1	J	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	5.9		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	2.4		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-26605-1

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23201.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1340			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1340				

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)	90		66 - 137
Toluene-d8 (Surr)	86		71 - 126
4-Bromofluorobenzene (Surr)	86		73 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-26605-2

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23202.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1405			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1405				

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	2.9		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	5.5	J	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	1.3		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	130	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	62		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-26605-2

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23202.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1405			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1405				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	0.91	J	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	87		73 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-26605-2

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86687	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23286.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2012 1549	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/21/2012 1549				

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	3.4		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	8.6	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	140		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	63		0.92	2.0
Trichlorofluoromethane	ND		1.8	2.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-26605-2

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86687	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23286.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2012 1549	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/21/2012 1549				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	88		73 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-26605-3TB

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23203.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1430			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1430				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-26605-3TB

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86423	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23203.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1430			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1430				

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)	89		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

General Chemistry**Client Sample ID: EFFLUENT**

Lab Sample ID: 480-26605-1

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Petroleum Hydrocarbons (1664A)	ND		mg/L	1.9	4.8	1.0	1664A

Analysis Batch: 480-86570

Analysis Date: 10/19/2012 1940

Prep Batch: 480-86567

Prep Date: 10/19/2012 1923

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	7.2		mg/L	4.0	4.0	1.0	SM 2540D

Analysis Batch: 480-85400

Analysis Date: 10/15/2012 0207

pH

8.38

HF

SU

0.100

0.100

1.0

SM 4500 H+ B

Analysis Batch: 480-85272

Analysis Date: 10/12/2012 2138

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26605-1

General Chemistry**Client Sample ID: INFLUENT**

Lab Sample ID: 480-26605-2

Date Sampled: 10/11/2012 0730

Client Matrix: Water

Date Received: 10/12/2012 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Petroleum Hydrocarbons (1664A)	ND		mg/L	1.9	4.8	1.0	1664A

Analysis Batch: 480-86570

Analysis Date: 10/19/2012 1940

Prep Batch: 480-86567

Prep Date: 10/19/2012 1923

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Suspended Solids	17.2		mg/L	4.0	4.0	1.0	SM 2540D

Analysis Batch: 480-85400

Analysis Date: 10/15/2012 0219

pH

8.34

HF

SU

0.100

0.100

1.0

SM 4500 H+ B

Analysis Batch: 480-85272

Analysis Date: 10/12/2012 2145

Client: AECOM, Inc.

Job Number: 480-26605-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA	TOL	BFB
		%Rec	%Rec	%Rec
480-26605-1	EFFLUENT	90	86	86
480-26605-2	INFLUENT	90	89	87
480-26605-2 DL	INFLUENT DL	105	90	88
480-26605-3	Trip Blank	89	89	90
MB 480-86423/5		93	89	89
MB 480-86687/5		99	85	82
LCS 480-86423/4		87	88	79
LCS 480-86687/4		95	86	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-26605-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-26605-1

Login Number: 26605

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	False	lab comp
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	