TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-38250-1
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

Authorized for release by:
4/25/2017 10:23:51 AM

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 200-38250-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: 200-38250-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-38250-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2017 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

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

Client Sample ID: AS EFFLUENT 2Q17

Date Collected: 04/13/17 09:00
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38250-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
1,2,4-Trimethylbenzene	**0.20**		0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichloroethene, Total	**0.41**		0.40	0.40	ppb v/v			04/21/17 22:28	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,3-Dichlorobenzene	**0.82**		0.20	0.20	ppb v/v			04/21/17 22:28	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
2,2,4-Trimethylpentane	**0.32**		0.20	0.20	ppb v/v			04/21/17 22:28	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Acetone	**19**		5.0	5.0	ppb v/v			04/21/17 22:28	1
Benzene	**0.42**		0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Carbon disulfide	**0.73**		0.50	0.50	ppb v/v			04/21/17 22:28	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chloroethane	**5.5**		0.50	0.50	ppb v/v			04/21/17 22:28	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Chloromethane	**1.4**		0.50	0.50	ppb v/v			04/21/17 22:28	1
cis-1,2-Dichloroethene	**0.41**		0.20	0.20	ppb v/v			04/21/17 22:28	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Isopropyl alcohol	**6.9**		5.0	5.0	ppb v/v			04/21/17 22:28	1
m,p-Xylene	**0.59**		0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl Ethyl Ketone	**3.5**		0.50	0.50	ppb v/v			04/21/17 22:28	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1

Client Sample ID: AS EFFLUENT 2Q17
Date Collected: 04/13/17 09:00
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38250-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			04/21/17 22:28	1
n-Heptane	**0.36**		0.20	0.20	ppb v/v			04/21/17 22:28	1
n-Hexane	**0.66**		0.20	0.20	ppb v/v			04/21/17 22:28	1
Styrene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			04/21/17 22:28	1
Toluene	**1.0**		0.20	0.20	ppb v/v			04/21/17 22:28	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Trichlorofluoromethane	**0.20**		0.20	0.20	ppb v/v			04/21/17 22:28	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			04/21/17 22:28	1
Xylene (total)	**0.80**		0.70	0.70	ppb v/v			04/21/17 22:28	1
Xylene, o-	**0.21**		0.20	0.20	ppb v/v			04/21/17 22:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			04/21/17 22:28	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			04/21/17 22:28	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			04/21/17 22:28	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			04/21/17 22:28	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			04/21/17 22:28	1
1,2,4-Trimethylbenzene	**0.97**		0.98	0.98	ug/m3			04/21/17 22:28	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			04/21/17 22:28	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/21/17 22:28	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			04/21/17 22:28	1
1,2-Dichloroethene, Total	**1.6**		1.6	1.6	ug/m3			04/21/17 22:28	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			04/21/17 22:28	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			04/21/17 22:28	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			04/21/17 22:28	1
1,3-Dichlorobenzene	**4.9**		1.2	1.2	ug/m3			04/21/17 22:28	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			04/21/17 22:28	1
1,4-Dioxane	18	U	18	18	ug/m3			04/21/17 22:28	1
2,2,4-Trimethylpentane	**1.5**		0.93	0.93	ug/m3			04/21/17 22:28	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			04/21/17 22:28	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			04/21/17 22:28	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			04/21/17 22:28	1
Acetone	**46**		12	12	ug/m3			04/21/17 22:28	1
Benzene	**1.3**		0.64	0.64	ug/m3			04/21/17 22:28	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			04/21/17 22:28	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			04/21/17 22:28	1
Bromoform	2.1	U	2.1	2.1	ug/m3			04/21/17 22:28	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			04/21/17 22:28	1
Carbon disulfide	**2.3**		1.6	1.6	ug/m3			04/21/17 22:28	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			04/21/17 22:28	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			04/21/17 22:28	1
Chloroethane	**14**		1.3	1.3	ug/m3			04/21/17 22:28	1

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17
Date Collected: 04/13/17 09:00
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38250-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.98	U	0.98	0.98	ug/m3			04/21/17 22:28	1
Chloromethane	**2.8**		1.0	1.0	ug/m3			04/21/17 22:28	1
cis-1,2-Dichloroethene	**1.6**		0.79	0.79	ug/m3			04/21/17 22:28	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/21/17 22:28	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			04/21/17 22:28	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			04/21/17 22:28	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			04/21/17 22:28	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			04/21/17 22:28	1
Freon TF	1.5	U	1.5	1.5	ug/m3			04/21/17 22:28	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			04/21/17 22:28	1
Isopropyl alcohol	**17**		12	12	ug/m3			04/21/17 22:28	1
m,p-Xylene	**2.6**		2.2	2.2	ug/m3			04/21/17 22:28	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			04/21/17 22:28	1
Methyl Ethyl Ketone	**10**		1.5	1.5	ug/m3			04/21/17 22:28	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			04/21/17 22:28	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			04/21/17 22:28	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			04/21/17 22:28	1
n-Heptane	**1.5**		0.82	0.82	ug/m3			04/21/17 22:28	1
n-Hexane	**2.3**		0.70	0.70	ug/m3			04/21/17 22:28	1
Styrene	0.85	U	0.85	0.85	ug/m3			04/21/17 22:28	1
tert-Butyl alcohol	15	U	15	15	ug/m3			04/21/17 22:28	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			04/21/17 22:28	1
Tetrahydrofuran	15	U	15	15	ug/m3			04/21/17 22:28	1
Toluene	**3.8**		0.75	0.75	ug/m3			04/21/17 22:28	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			04/21/17 22:28	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			04/21/17 22:28	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			04/21/17 22:28	1
Trichlorofluoromethane	**1.1**		1.1	1.1	ug/m3			04/21/17 22:28	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			04/21/17 22:28	1
Xylene (total)	**3.5**		3.0	3.0	ug/m3			04/21/17 22:28	1
Xylene, o-	**0.92**		0.87	0.87	ug/m3			04/21/17 22:28	1

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: LRP EFFLUENT 2Q17
Date Collected: 04/13/17 09:05
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38250-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1,2,2-Tetrachloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1,2-Trichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1-Dichloroethane	**6.4**		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,1-Dichloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2,4-Trichlorobenzene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
1,2,4-Trimethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dibromoethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloroethene, Total	**670**		10	10	ppb v/v			04/21/17 23:19	25.2
1,2-Dichloropropane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,2-Dichlorotetrafluoroethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3,5-Trimethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3-Butadiene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,3-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,4-Dichlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
1,4-Dioxane	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
2,2,4-Trimethylpentane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
2-Chlorotoluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
3-Chloropropene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
4-Ethyltoluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Acetone	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Benzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromodichloromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromoethene(Vinyl Bromide)	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromoform	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Bromomethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Carbon disulfide	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Carbon tetrachloride	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chlorobenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chloroethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Chloroform	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Chloromethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
cis-1,2-Dichloroethene	**670**		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
cis-1,3-Dichloropropene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Cyclohexane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Dibromochloromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Dichlorodifluoromethane	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Ethylbenzene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Freon TF	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Hexachlorobutadiene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Isopropyl alcohol	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
m,p-Xylene	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl Butyl Ketone (2-Hexanone)	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl Ethyl Ketone	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
methyl isobutyl ketone	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
Methyl tert-butyl ether	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2

Client Sample ID: LRP EFFLUENT 2Q17
Lab Sample ID: 200-38250-2
Date Collected: 04/13/17 09:05
Matrix: Air
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	13	U	13	13	ppb v/v			04/21/17 23:19	25.2
n-Heptane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
n-Hexane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Styrene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
tert-Butyl alcohol	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Tetrachloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Tetrahydrofuran	130	U	130	130	ppb v/v			04/21/17 23:19	25.2
Toluene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
trans-1,2-Dichloroethene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
trans-1,3-Dichloropropene	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Trichloroethene	**21**		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Trichlorofluoromethane	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Vinyl chloride	**330**		5.0	5.0	ppb v/v			04/21/17 23:19	25.2
Xylene (total)	18	U	18	18	ppb v/v			04/21/17 23:19	25.2
Xylene, o-	5.0	U	5.0	5.0	ppb v/v			04/21/17 23:19	25.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
1,1,2,2-Tetrachloroethane	35	U	35	35	ug/m3			04/21/17 23:19	25.2
1,1,2-Trichloroethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
1,1-Dichloroethane	**26**		20	20	ug/m3			04/21/17 23:19	25.2
1,1-Dichloroethene	20	U	20	20	ug/m3			04/21/17 23:19	25.2
1,2,4-Trichlorobenzene	94	U	94	94	ug/m3			04/21/17 23:19	25.2
1,2,4-Trimethylbenzene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
1,2-Dibromoethane	39	U	39	39	ug/m3			04/21/17 23:19	25.2
1,2-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,2-Dichloroethane	20	U	20	20	ug/m3			04/21/17 23:19	25.2
1,2-Dichloroethene, Total	**2700**		40	40	ug/m3			04/21/17 23:19	25.2
1,2-Dichloropropane	23	U	23	23	ug/m3			04/21/17 23:19	25.2
1,2-Dichlorotetrafluoroethane	35	U	35	35	ug/m3			04/21/17 23:19	25.2
1,3,5-Trimethylbenzene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
1,3-Butadiene	11	U	11	11	ug/m3			04/21/17 23:19	25.2
1,3-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,4-Dichlorobenzene	30	U	30	30	ug/m3			04/21/17 23:19	25.2
1,4-Dioxane	450	U	450	450	ug/m3			04/21/17 23:19	25.2
2,2,4-Trimethylpentane	24	U	24	24	ug/m3			04/21/17 23:19	25.2
2-Chlorotoluene	26	U	26	26	ug/m3			04/21/17 23:19	25.2
3-Chloropropene	39	U	39	39	ug/m3			04/21/17 23:19	25.2
4-Ethyltoluene	25	U	25	25	ug/m3			04/21/17 23:19	25.2
Acetone	300	U	300	300	ug/m3			04/21/17 23:19	25.2
Benzene	16	U	16	16	ug/m3			04/21/17 23:19	25.2
Bromodichloromethane	34	U	34	34	ug/m3			04/21/17 23:19	25.2
Bromoethene(Vinyl Bromide)	22	U	22	22	ug/m3			04/21/17 23:19	25.2
Bromoform	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Bromomethane	20	U	20	20	ug/m3			04/21/17 23:19	25.2
Carbon disulfide	39	U	39	39	ug/m3			04/21/17 23:19	25.2
Carbon tetrachloride	32	U	32	32	ug/m3			04/21/17 23:19	25.2
Chlorobenzene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Chloroethane	33	U	33	33	ug/m3			04/21/17 23:19	25.2

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: LRP EFFLUENT 2Q17
Date Collected: 04/13/17 09:05
Date Received: 04/15/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38250-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	25	U	25	25	ug/m3			04/21/17 23:19	25.2
Chloromethane	26	U	26	26	ug/m3			04/21/17 23:19	25.2
cis-1,2-Dichloroethene	**2600**		20	20	ug/m3			04/21/17 23:19	25.2
cis-1,3-Dichloropropene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Cyclohexane	17	U	17	17	ug/m3			04/21/17 23:19	25.2
Dibromochloromethane	43	U	43	43	ug/m3			04/21/17 23:19	25.2
Dichlorodifluoromethane	62	U	62	62	ug/m3			04/21/17 23:19	25.2
Ethylbenzene	22	U	22	22	ug/m3			04/21/17 23:19	25.2
Freon TF	39	U	39	39	ug/m3			04/21/17 23:19	25.2
Hexachlorobutadiene	54	U	54	54	ug/m3			04/21/17 23:19	25.2
Isopropyl alcohol	310	U	310	310	ug/m3			04/21/17 23:19	25.2
m,p-Xylene	55	U	55	55	ug/m3			04/21/17 23:19	25.2
Methyl Butyl Ketone (2-Hexanone)	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Methyl Ethyl Ketone	37	U	37	37	ug/m3			04/21/17 23:19	25.2
methyl isobutyl ketone	52	U	52	52	ug/m3			04/21/17 23:19	25.2
Methyl tert-butyl ether	18	U	18	18	ug/m3			04/21/17 23:19	25.2
Methylene Chloride	44	U	44	44	ug/m3			04/21/17 23:19	25.2
n-Heptane	21	U	21	21	ug/m3			04/21/17 23:19	25.2
n-Hexane	18	U	18	18	ug/m3			04/21/17 23:19	25.2
Styrene	21	U	21	21	ug/m3			04/21/17 23:19	25.2
tert-Butyl alcohol	380	U	380	380	ug/m3			04/21/17 23:19	25.2
Tetrachloroethene	34	U	34	34	ug/m3			04/21/17 23:19	25.2
Tetrahydrofuran	370	U	370	370	ug/m3			04/21/17 23:19	25.2
Toluene	19	U	19	19	ug/m3			04/21/17 23:19	25.2
trans-1,2-Dichloroethene	20	U	20	20	ug/m3			04/21/17 23:19	25.2
trans-1,3-Dichloropropene	23	U	23	23	ug/m3			04/21/17 23:19	25.2
Trichloroethene	**120**		27	27	ug/m3			04/21/17 23:19	25.2
Trichlorofluoromethane	28	U	28	28	ug/m3			04/21/17 23:19	25.2
Vinyl chloride	**840**		13	13	ug/m3			04/21/17 23:19	25.2
Xylene (total)	77	U	77	77	ug/m3			04/21/17 23:19	25.2
Xylene, o-	22	U	22	22	ug/m3			04/21/17 23:19	25.2

Lab Chronicle

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

TestAmerica Job ID: 200-38250-1

Client Sample ID: AS EFFLUENT 2Q17

Lab Sample ID: 200-38250-1

Date Collected: 04/13/17 09:00

Matrix: Air

Date Received: 04/15/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	115999	04/21/17 22:28	P1M	TAL BUR

Client Sample ID: LRP EFFLUENT 2Q17

Lab Sample ID: 200-38250-2

Date Collected: 04/13/17 09:05

Matrix: Air

Date Received: 04/15/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		25.2	115999	04/21/17 23:19	P1M	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

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

TestAmerica Job ID: 200-38250-1

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-17
L-A-B	DoD ELAP		L2336	03-25-17 *
Maine	State Program	1	VT00008	04-17-17 *
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-17 *
New York	NELAP	2	10391	04-01-17 *
Pennsylvania	NELAP	3	68-00489	04-30-17 *
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 200-38250-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

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

TestAmerica Job ID: 200-38250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-38250-1	AS EFFLUENT 2Q17	Air	04/13/17 09:00	04/15/17 09:35
200-38250-2	LRP EFFLUENT 2Q17	Air	04/13/17 09:05	04/15/17 09:35

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Dino Zack	Samples Collected By: DLZ	1 of ___ COCs
Company: AECOM	Phone: 716-866-8222		
Address: 257 W. Genesee St.	Email: dino.zack@aecom.com		
City/State/Zip Buffalo, NY			
Phone: 716 856-5636	Site Contact: D. Zack		
FAX: 716-856-2545	TA Contact: B. Fischer		
Project Name: Scott Figgie BSA 2Q17	**Analysis Turnaround Time**		
Site: Lancaster, NY	Standard (Specify) 5 DAY TAT		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
AS Effluent 2Q17	4/13/17	0900	0900	~29.7		NA	5638	X											X
LRP Effluent 2Q17	4/13/17	0905	0905	-29.7		NA	3340	X											

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

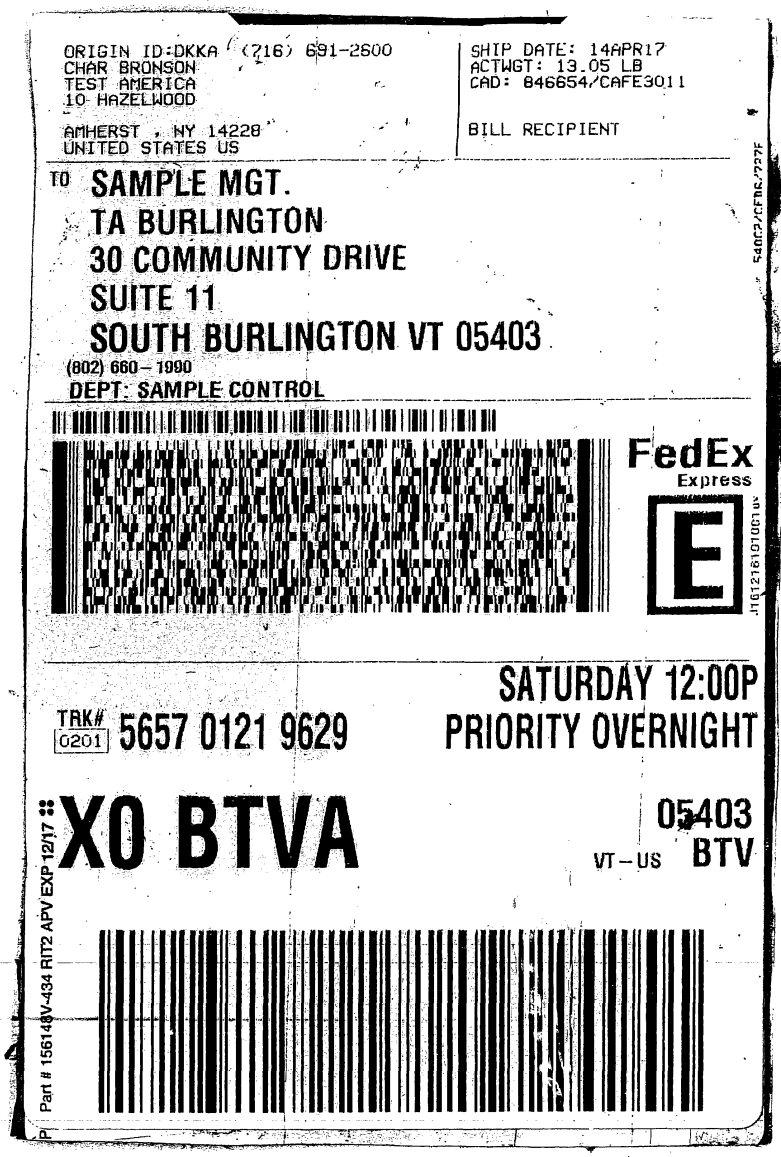
Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

200-38250 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: DZ	Date/Time: 4/13/17 1000 hrs	Samples Received by: EM	4.13.17 1300
Samples Relinquished by: EM	Date/Time: 4.14.17 1345	Received by: EEJ	4/15/17 0935
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: C. Bronson Opened by: EEJ Condition: Intact


ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD
AMHERST , NY 14228
UNITED STATES US
SHIP DATE: 14APR17
ACTWGT: 13.05 LB
CAD: 846654/CAFE3011
BILL RECIPIENT
TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: SAMPLE CONTROL
FedEx
Express
TRK# 0201 5657 0121 9629
SATURDAY 12:00P
PRIORITY OVERNIGHT
XO BTVA
05403
VT-US BTV
Part # 156148V-434 RIT2 APV EXP 12/17

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-38250-1

Login Number: 38250
List Number: 1
Creator: Johnson, Eleanor E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	066670
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
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	DLZ
There are no discrepancies between the containers received 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-38250-1

Login Number: 38250
List Number: 2
Creator: Johnson, Eleanor E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	066670
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	No: Thermal preservation not required
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	DLZ
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.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	NA: No analysis requiring residual chlorine check assigned