

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Burlington

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South Burlington, VT 05403

Tel: (802)660-1990

TestAmerica Job ID: 200-37085-1

Client Project/Site: Scott Aviation site

For:

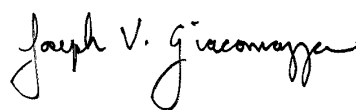
AECOM, Inc.

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Authorized for release by:

2/6/2017 2:44:03 PM

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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.

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Definitions/Glossary

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

TestAmerica Job ID: 200-37085-1

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.
α	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)

Case Narrative

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

TestAmerica Job ID: 200-37085-1

Job ID: 200-37085-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative 200-37085-1

Receipt

The samples were received on 1/24/2017 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, the following sample was found to be received at ambient pressure: 200-37085-2. The sample was a grab so there is no associated flow controller.

Air Toxics

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

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: AS Effluent 1Q17

Lab Sample ID: 200-37085-1

Date Collected: 01/19/17 07:00

Matrix: Air

Date Received: 01/24/17 10:35

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,1,2,2-Tetrachloroethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,1,2-Trichloroethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,1-Dichloroethane	0.57		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,1-Dichloroethene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2,4-Trichlorobenzene	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
1,2,4-Trimethylbenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2-Dibromoethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2-Dichlorobenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2-Dichloroethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2-Dichloroethene, Total	58		0.85	0.85	ppb v/v			02/03/17 15:42	2.12
1,2-Dichloropropane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,2-Dichlorotetrafluoroethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,3,5-Trimethylbenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,3-Butadiene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,3-Dichlorobenzene	0.56		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,4-Dichlorobenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
1,4-Dioxane	11	U	11	11	ppb v/v			02/03/17 15:42	2.12
2,2,4-Trimethylpentane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
2-Chlorotoluene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
3-Chloropropene	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
4-Ethyltoluene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Acetone	11	U	11	11	ppb v/v			02/03/17 15:42	2.12
Benzene	0.46		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Bromodichloromethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Bromoethene(Vinyl Bromide)	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Bromoform	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Bromomethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Carbon disulfide	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Carbon tetrachloride	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Chlorobenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Chloroethane	11		1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Chloroform	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Chloromethane	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
cis-1,2-Dichloroethene	58		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
cis-1,3-Dichloropropene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Cyclohexane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Dibromochloromethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Dichlorodifluoromethane	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Ethylbenzene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Freon TF	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Hexachlorobutadiene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Isopropyl alcohol	11	U	11	11	ppb v/v			02/03/17 15:42	2.12
m,p-Xylene	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Methyl Butyl Ketone (2-Hexanone)	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Methyl Ethyl Ketone	3.8		1.1	1.1	ppb v/v			02/03/17 15:42	2.12
methyl isobutyl ketone	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
Methyl tert-butyl ether	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: AS Effluent 1Q17

Lab Sample ID: 200-37085-1

Date Collected: 01/19/17 07:00

Matrix: Air

Date Received: 01/24/17 10:35

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	1.1	U	1.1	1.1	ppb v/v			02/03/17 15:42	2.12
n-Heptane	2.0		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
n-Hexane	1.6		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Styrene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
tert-Butyl alcohol	11	U	11	11	ppb v/v			02/03/17 15:42	2.12
Tetrachloroethene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Tetrahydrofuran	11	U	11	11	ppb v/v			02/03/17 15:42	2.12
Toluene	1.6		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
trans-1,2-Dichloroethene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
trans-1,3-Dichloropropene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Trichloroethene	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Trichlorofluoromethane	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Vinyl chloride	3.0		0.42	0.42	ppb v/v			02/03/17 15:42	2.12
Xylene (total)	1.5	U	1.5	1.5	ppb v/v			02/03/17 15:42	2.12
Xylene, o-	0.42	U	0.42	0.42	ppb v/v			02/03/17 15:42	2.12

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.3	U	2.3	2.3	ug/m3			02/03/17 15:42	2.12
1,1,1,2,2-Tetrachloroethane	2.9	U	2.9	2.9	ug/m3			02/03/17 15:42	2.12
1,1,2-Trichloroethane	2.3	U	2.3	2.3	ug/m3			02/03/17 15:42	2.12
1,1-Dichloroethane	2.3		1.7	1.7	ug/m3			02/03/17 15:42	2.12
1,1-Dichloroethene	1.7	U	1.7	1.7	ug/m3			02/03/17 15:42	2.12
1,2,4-Trichlorobenzene	7.9	U	7.9	7.9	ug/m3			02/03/17 15:42	2.12
1,2,4-Trimethylbenzene	2.1	U	2.1	2.1	ug/m3			02/03/17 15:42	2.12
1,2-Dibromoethane	3.3	U	3.3	3.3	ug/m3			02/03/17 15:42	2.12
1,2-Dichlorobenzene	2.5	U	2.5	2.5	ug/m3			02/03/17 15:42	2.12
1,2-Dichloroethane	1.7	U	1.7	1.7	ug/m3			02/03/17 15:42	2.12
1,2-Dichloroethene, Total	230		3.4	3.4	ug/m3			02/03/17 15:42	2.12
1,2-Dichloropropane	2.0	U	2.0	2.0	ug/m3			02/03/17 15:42	2.12
1,2-Dichlorotetrafluoroethane	3.0	U	3.0	3.0	ug/m3			02/03/17 15:42	2.12
1,3,5-Trimethylbenzene	2.1	U	2.1	2.1	ug/m3			02/03/17 15:42	2.12
1,3-Butadiene	0.94	U	0.94	0.94	ug/m3			02/03/17 15:42	2.12
1,3-Dichlorobenzene	3.4		2.5	2.5	ug/m3			02/03/17 15:42	2.12
1,4-Dichlorobenzene	2.5	U	2.5	2.5	ug/m3			02/03/17 15:42	2.12
1,4-Dioxane	38	U	38	38	ug/m3			02/03/17 15:42	2.12
2,2,4-Trimethylpentane	2.0	U	2.0	2.0	ug/m3			02/03/17 15:42	2.12
2-Chlorotoluene	2.2	U	2.2	2.2	ug/m3			02/03/17 15:42	2.12
3-Chloropropene	3.3	U	3.3	3.3	ug/m3			02/03/17 15:42	2.12
4-Ethyltoluene	2.1	U	2.1	2.1	ug/m3			02/03/17 15:42	2.12
Acetone	25	U	25	25	ug/m3			02/03/17 15:42	2.12
Benzene	1.5		1.4	1.4	ug/m3			02/03/17 15:42	2.12
Bromodichloromethane	2.8	U	2.8	2.8	ug/m3			02/03/17 15:42	2.12
Bromoethene(Vinyl Bromide)	1.9	U	1.9	1.9	ug/m3			02/03/17 15:42	2.12
Bromoform	4.4	U	4.4	4.4	ug/m3			02/03/17 15:42	2.12
Bromomethane	1.6	U	1.6	1.6	ug/m3			02/03/17 15:42	2.12
Carbon disulfide	3.3	U	3.3	3.3	ug/m3			02/03/17 15:42	2.12
Carbon tetrachloride	2.7	U	2.7	2.7	ug/m3			02/03/17 15:42	2.12
Chlorobenzene	2.0	U	2.0	2.0	ug/m3			02/03/17 15:42	2.12
Chloroethane	29		2.8	2.8	ug/m3			02/03/17 15:42	2.12

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: AS Effluent 1Q17

Lab Sample ID: 200-37085-1

Date Collected: 01/19/17 07:00

Matrix: Air

Date Received: 01/24/17 10:35

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
Chloroform	2.1	U	2.1	2.1	ug/m3			02/03/17 15:42	2.12
Chloromethane	2.2	U	2.2	2.2	ug/m3			02/03/17 15:42	2.12
cis-1,2-Dichloroethene	230		1.7	1.7	ug/m3			02/03/17 15:42	2.12
cis-1,3-Dichloropropene	1.9	U	1.9	1.9	ug/m3			02/03/17 15:42	2.12
Cyclohexane	1.5	U	1.5	1.5	ug/m3			02/03/17 15:42	2.12
Dibromochloromethane	3.6	U	3.6	3.6	ug/m3			02/03/17 15:42	2.12
Dichlorodifluoromethane	5.2	U	5.2	5.2	ug/m3			02/03/17 15:42	2.12
Ethylbenzene	1.8	U	1.8	1.8	ug/m3			02/03/17 15:42	2.12
Freon TF	3.2	U	3.2	3.2	ug/m3			02/03/17 15:42	2.12
Hexachlorobutadiene	4.5	U	4.5	4.5	ug/m3			02/03/17 15:42	2.12
Isopropyl alcohol	26	U	26	26	ug/m3			02/03/17 15:42	2.12
m,p-Xylene	4.6	U	4.6	4.6	ug/m3			02/03/17 15:42	2.12
Methyl Butyl Ketone (2-Hexanone)	4.3	U	4.3	4.3	ug/m3			02/03/17 15:42	2.12
Methyl Ethyl Ketone	11		3.1	3.1	ug/m3			02/03/17 15:42	2.12
methyl isobutyl ketone	4.3	U	4.3	4.3	ug/m3			02/03/17 15:42	2.12
Methyl tert-butyl ether	1.5	U	1.5	1.5	ug/m3			02/03/17 15:42	2.12
Methylene Chloride	3.7	U	3.7	3.7	ug/m3			02/03/17 15:42	2.12
n-Heptane	8.3		1.7	1.7	ug/m3			02/03/17 15:42	2.12
n-Hexane	5.7		1.5	1.5	ug/m3			02/03/17 15:42	2.12
Styrene	1.8	U	1.8	1.8	ug/m3			02/03/17 15:42	2.12
tert-Butyl alcohol	32	U	32	32	ug/m3			02/03/17 15:42	2.12
Tetrachloroethene	2.9	U	2.9	2.9	ug/m3			02/03/17 15:42	2.12
Tetrahydrofuran	31	U	31	31	ug/m3			02/03/17 15:42	2.12
Toluene	5.9		1.6	1.6	ug/m3			02/03/17 15:42	2.12
trans-1,2-Dichloroethene	1.7	U	1.7	1.7	ug/m3			02/03/17 15:42	2.12
trans-1,3-Dichloropropene	1.9	U	1.9	1.9	ug/m3			02/03/17 15:42	2.12
Trichloroethene	2.3	U	2.3	2.3	ug/m3			02/03/17 15:42	2.12
Trichlorofluoromethane	2.4	U	2.4	2.4	ug/m3			02/03/17 15:42	2.12
Vinyl chloride	7.7		1.1	1.1	ug/m3			02/03/17 15:42	2.12
Xylene (total)	6.4	U	6.4	6.4	ug/m3			02/03/17 15:42	2.12
Xylene, o-	1.8	U	1.8	1.8	ug/m3			02/03/17 15:42	2.12

Client Sample ID: LRP Effluent 1Q17

Lab Sample ID: 200-37085-2

Date Collected: 01/19/17 07:10

Matrix: Air

Date Received: 01/24/17 10:35

Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,1,1,2,2-Tetrachloroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,1,2-Trichloroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,1-Dichloroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,1-Dichloroethene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,2,4-Trichlorobenzene	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
1,2,4-Trimethylbenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,2-Dibromoethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,2-Dichlorobenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,2-Dichloroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: LRP Effluent 1Q17

Lab Sample ID: 200-37085-2

Date Collected: 01/19/17 07:10

Matrix: Air

Date Received: 01/24/17 10:35

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
1,2-Dichloroethene, Total	750		18	18	ppb v/v			01/30/17 20:51	46.2
1,2-Dichloropropane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,2-Dichlorotetrafluoroethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,3,5-Trimethylbenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,3-Butadiene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,3-Dichlorobenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,4-Dichlorobenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
1,4-Dioxane	230	U	230	230	ppb v/v			01/30/17 20:51	46.2
2,2,4-Trimethylpentane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
2-Chlorotoluene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
3-Chloropropene	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
4-Ethyltoluene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Acetone	230	U	230	230	ppb v/v			01/30/17 20:51	46.2
Benzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Bromodichloromethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Bromoethene(Vinyl Bromide)	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Bromoform	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Bromomethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Carbon disulfide	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Carbon tetrachloride	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Chlorobenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Chloroethane	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Chloroform	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Chloromethane	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
cis-1,2-Dichloroethene	750		9.2	9.2	ppb v/v			01/30/17 20:51	46.2
cis-1,3-Dichloropropene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Cyclohexane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Dibromochloromethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Dichlorodifluoromethane	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Ethylbenzene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Freon TF	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Hexachlorobutadiene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Isopropyl alcohol	230	U	230	230	ppb v/v			01/30/17 20:51	46.2
m,p-Xylene	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Methyl Butyl Ketone (2-Hexanone)	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Methyl Ethyl Ketone	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
methyl isobutyl ketone	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
Methyl tert-butyl ether	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Methylene Chloride	23	U	23	23	ppb v/v			01/30/17 20:51	46.2
n-Heptane	44		9.2	9.2	ppb v/v			01/30/17 20:51	46.2
n-Hexane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Styrene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
tert-Butyl alcohol	230	U	230	230	ppb v/v			01/30/17 20:51	46.2
Tetrachloroethene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Tetrahydrofuran	230	U	230	230	ppb v/v			01/30/17 20:51	46.2
Toluene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
trans-1,2-Dichloroethene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
trans-1,3-Dichloropropene	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: LRP Effluent 1Q17

Lab Sample ID: 200-37085-2

Date Collected: 01/19/17 07:10

Matrix: Air

Date Received: 01/24/17 10:35

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
Trichloroethene	9.8		9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Trichlorofluoromethane	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Vinyl chloride	300		9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Xylene (total)	32	U	32	32	ppb v/v			01/30/17 20:51	46.2
Xylene, o-	9.2	U	9.2	9.2	ppb v/v			01/30/17 20:51	46.2
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	50	U	50	50	ug/m3			01/30/17 20:51	46.2
1,1,2,2-Tetrachloroethane	63	U	63	63	ug/m3			01/30/17 20:51	46.2
1,1,2-Trichloroethane	50	U	50	50	ug/m3			01/30/17 20:51	46.2
1,1-Dichloroethane	37	U	37	37	ug/m3			01/30/17 20:51	46.2
1,1-Dichloroethene	37	U	37	37	ug/m3			01/30/17 20:51	46.2
1,2,4-Trichlorobenzene	170	U	170	170	ug/m3			01/30/17 20:51	46.2
1,2,4-Trimethylbenzene	45	U	45	45	ug/m3			01/30/17 20:51	46.2
1,2-Dibromoethane	71	U	71	71	ug/m3			01/30/17 20:51	46.2
1,2-Dichlorobenzene	56	U	56	56	ug/m3			01/30/17 20:51	46.2
1,2-Dichloroethane	37	U	37	37	ug/m3			01/30/17 20:51	46.2
1,2-Dichloroethene, Total	3000		73	73	ug/m3			01/30/17 20:51	46.2
1,2-Dichloropropane	43	U	43	43	ug/m3			01/30/17 20:51	46.2
1,2-Dichlorotetrafluoroethane	65	U	65	65	ug/m3			01/30/17 20:51	46.2
1,3,5-Trimethylbenzene	45	U	45	45	ug/m3			01/30/17 20:51	46.2
1,3-Butadiene	20	U	20	20	ug/m3			01/30/17 20:51	46.2
1,3-Dichlorobenzene	56	U	56	56	ug/m3			01/30/17 20:51	46.2
1,4-Dichlorobenzene	56	U	56	56	ug/m3			01/30/17 20:51	46.2
1,4-Dioxane	830	U	830	830	ug/m3			01/30/17 20:51	46.2
2,2,4-Trimethylpentane	43	U	43	43	ug/m3			01/30/17 20:51	46.2
2-Chlorotoluene	48	U	48	48	ug/m3			01/30/17 20:51	46.2
3-Chloropropene	72	U	72	72	ug/m3			01/30/17 20:51	46.2
4-Ethyltoluene	45	U	45	45	ug/m3			01/30/17 20:51	46.2
Acetone	550	U	550	550	ug/m3			01/30/17 20:51	46.2
Benzene	30	U	30	30	ug/m3			01/30/17 20:51	46.2
Bromodichloromethane	62	U	62	62	ug/m3			01/30/17 20:51	46.2
Bromoethene(Vinyl Bromide)	40	U	40	40	ug/m3			01/30/17 20:51	46.2
Bromoform	96	U	96	96	ug/m3			01/30/17 20:51	46.2
Bromomethane	36	U	36	36	ug/m3			01/30/17 20:51	46.2
Carbon disulfide	72	U	72	72	ug/m3			01/30/17 20:51	46.2
Carbon tetrachloride	58	U	58	58	ug/m3			01/30/17 20:51	46.2
Chlorobenzene	43	U	43	43	ug/m3			01/30/17 20:51	46.2
Chloroethane	61	U	61	61	ug/m3			01/30/17 20:51	46.2
Chloroform	45	U	45	45	ug/m3			01/30/17 20:51	46.2
Chloromethane	48	U	48	48	ug/m3			01/30/17 20:51	46.2
cis-1,2-Dichloroethene	3000		37	37	ug/m3			01/30/17 20:51	46.2
cis-1,3-Dichloropropene	42	U	42	42	ug/m3			01/30/17 20:51	46.2
Cyclohexane	32	U	32	32	ug/m3			01/30/17 20:51	46.2
Dibromochloromethane	79	U	79	79	ug/m3			01/30/17 20:51	46.2
Dichlorodifluoromethane	110	U	110	110	ug/m3			01/30/17 20:51	46.2
Ethylbenzene	40	U	40	40	ug/m3			01/30/17 20:51	46.2
Freon TF	71	U	71	71	ug/m3			01/30/17 20:51	46.2
Hexachlorobutadiene	99	U	99	99	ug/m3			01/30/17 20:51	46.2

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: LRP Effluent 1Q17

Lab Sample ID: 200-37085-2

Date Collected: 01/19/17 07:10

Matrix: Air

Date Received: 01/24/17 10:35

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
Isopropyl alcohol	570	U	570	570	ug/m3			01/30/17 20:51	46.2
m,p-Xylene	100	U	100	100	ug/m3			01/30/17 20:51	46.2
Methyl Butyl Ketone (2-Hexanone)	95	U	95	95	ug/m3			01/30/17 20:51	46.2
Methyl Ethyl Ketone	68	U	68	68	ug/m3			01/30/17 20:51	46.2
methyl isobutyl ketone	95	U	95	95	ug/m3			01/30/17 20:51	46.2
Methyl tert-butyl ether	33	U	33	33	ug/m3			01/30/17 20:51	46.2
Methylene Chloride	80	U	80	80	ug/m3			01/30/17 20:51	46.2
n-Heptane	180		38	38	ug/m3			01/30/17 20:51	46.2
n-Hexane	33	U	33	33	ug/m3			01/30/17 20:51	46.2
Styrene	39	U	39	39	ug/m3			01/30/17 20:51	46.2
tert-Butyl alcohol	700	U	700	700	ug/m3			01/30/17 20:51	46.2
Tetrachloroethene	63	U	63	63	ug/m3			01/30/17 20:51	46.2
Tetrahydrofuran	680	U	680	680	ug/m3			01/30/17 20:51	46.2
Toluene	35	U	35	35	ug/m3			01/30/17 20:51	46.2
trans-1,2-Dichloroethene	37	U	37	37	ug/m3			01/30/17 20:51	46.2
trans-1,3-Dichloropropene	42	U	42	42	ug/m3			01/30/17 20:51	46.2
Trichloroethene	53		50	50	ug/m3			01/30/17 20:51	46.2
Trichlorofluoromethane	52	U	52	52	ug/m3			01/30/17 20:51	46.2
Vinyl chloride	760		24	24	ug/m3			01/30/17 20:51	46.2
Xylene (total)	140	U	140	140	ug/m3			01/30/17 20:51	46.2
Xylene, o-	40	U	40	40	ug/m3			01/30/17 20:51	46.2

TestAmerica Burlington

Lab Chronicle

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

TestAmerica Job ID: 200-37085-1

Client Sample ID: AS Effluent 1Q17

Date Collected: 01/19/17 07:00

Date Received: 01/24/17 10:35

Lab Sample ID: 200-37085-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.12	113802	02/03/17 15:42	PAD	TAL BUR

Client Sample ID: LRP Effluent 1Q17

Date Collected: 01/19/17 07:10

Date Received: 01/24/17 10:35

Lab Sample ID: 200-37085-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		46.2	113654	01/30/17 20:51	K1P	TAL BUR

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 200-37085-1

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Certification ID	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	02-26-17 *
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 certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17 *

* Certification renewal pending - certification considered valid.

TestAmerica Burlington

Method Summary

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

TestAmerica Job ID: 200-37085-1

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 Aviation site

TestAmerica Job ID: 200-37085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-37085-1	AS Effluent 1Q17	Air	01/19/17 07:00	01/24/17 10:35
200-37085-2	LRP Effluent 1Q17	Air	01/19/17 07:10	01/24/17 10:35

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8

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10

11

phone 802-660-1990 fax 802-660-1919

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

Age Group	Number of People
1	2
2	2
3	3
4	2
5	2
6	2
7	2
8	2
9	2
10	3
11	2

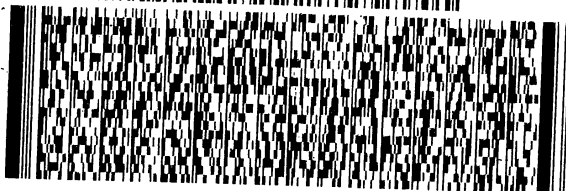
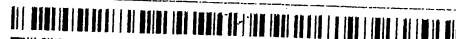
ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

SHIP DATE: 23JAN17
ACTWGT: 14.1 LB
CAD: 846654/CAFE2915
DIMS: 10x7x7 IN

AMHERST, NY 14228
UNITED STATES US

BILL RECIPIENT

TO **SAMPLE MGT.**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: BURLINGTON
DEPT: SAMPLE CONTROL



FedEx
Express



TRK# 5657 0121 5428
0201

TUE - 24 JAN 3:00P
STANDARD OVERNIGHT

NA BTVA

05403
VT-US **BTV**



Part # 156148V-434 RIT2 APV EXP 10/17

538C171947/329R

JT513750873071W

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-37085-1

Login Number: 37085

List Number: 1

Creator: Johnson, Eleanor E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	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	DZ
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